Custom-trained Machine-learning Interatomic Potentials: ZnCl2 Aqueous Solution

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This dataset was generated using an iterative active-learning strategy implemented in the ArcaNN software package (https://github.com/arcann-chem/arcann_training) to train machine-learning interatomic potentials for aqueous $ZnCl_2$ solutions. Each active-learning cycle consisted of three stages: training, exploration, and labeling. The initial training set combined configurations generated in this work from enhanced-sampling ab initio molecular dynamics simulations with configurations from a previously reported neural-network-potential study of aqueous $ZnCl_2$. The enhanced-sampling ab initio molecular dynamics simulations involved Zn–Cl separation and the chloride coordination number around Zn^{2+} as collective variables. These configurations served as the seed dataset. Subsequent active-learning cycles expanded the training set by identifying and labeling configurations that were poorly represented by the current models, thereby improving coverage of ion-association states and changes in local coordination and charge-state environments relevant to the solution free-energy landscape.

For all selected configurations, single-point calculations of the total energies and atomic forces were performed within density functional theory using the CP2K Quickstep module. Reference calculations employed the revPBE-D3 and r2SCAN exchange-correlation functionals. Motivated by recent work on aqueous Zn^{2+}, the main revPBE calculations omitted D3 dispersion contributions involving Zn^{2+}, while retaining the D3 correction for water and chloride. For comparison, fully dispersion-corrected revPBE-D3 reference calculations were also performed, with D3 applied to all species, including Zn^{2+}. Valence electrons were treated explicitly, while core electrons were represented using norm-conserving Goedecker–Teter–Hutter pseudopotentials. The wave functions were expanded using the mixed Gaussian-and-plane-wave scheme with TZV2P-MOLOPT basis sets for all elements and a 600 Ry auxiliary plane-wave cutoff for the electron density. Self-consistent-field convergence was accelerated using the orbital-transformation and Direct Inversion in the Iterative Subspace algorithms, with a convergence threshold of 10^{-6}.

All single-point calculations were performed in periodic orthorhombic cells. The CELL_REF keyword in CP2K was used to define a fixed reference cell with a box length of 25 Å. This treatment ensured a consistent reference for configurations extracted from NpT trajectories with fluctuating cell dimensions. The resulting DFT energies and atomic forces constitute the ground-truth labels used to train the MLIPs. The resulting MLIP was trained for aqueous $ZnCl_2$ solutions spanning concentrations from 0 to 30 molal and a broad pH range, from strongly acidic to strongly basic conditions.

Representative examples of configurations included in the MLIP training dataset are provided below. These include 1) Representative configurations from the dataset labeled at the revPBE-D3 level, with D3 dispersion interactions involving Zn^{2+} excluded (revPBE-wo-D3). 2) Representative configurations from the dataset labeled at the fully dispersion-corrected revPBE-D3 level, with D3 interactions applied to all species, including Zn^{2+} (revPBE-D3). 3) Representative configurations from the dataset labeled at the r2SCAN level of theory (r2SCAN).

Sample input files for aqueous zinc chloride are provided for running ab initio molecular dynamics (AIMD), machine-learning interatomic potential molecular dynamics (MLIP-MD), and classical molecular dynamics simulations, including representative CP2K and LAMMPS setups.

1) Representative configurations from the dataset labeled at the revPBE-D3 level, with D3 dispersion interactions involving Zn^{2+} excluded.

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Lattice="20.0 0.0 0.0 0.0 20.0 0.0 0.0 0.0 20.0" Properties=species:S:1:pos:R:3:forces:R:3 energy=-127164.17877222059 pbc="T T T"

O	16.61871500	12.30154800	13.37269400	-0.09926355	0.06401554	-0.61510568
H	16.33934000	11.71672900	12.60733400	0.59124572	0.79613327	0.44984766
H	17.49597400	12.74794200	13.14282600	-0.59591420	-0.26600744	-0.19003112
O	14.57519300	18.01905100	18.06087100	-0.15983894	-0.33187589	-0.26206227
H	15.04110000	18.12477100	18.90760800	-0.17715953	-0.12673463	0.43314797
H	13.72131100	17.57470500	18.30610700	0.61638455	0.69572106	0.06877055
O	16.47864200	2.41738300	6.46512400	0.84798828	-1.55411414	0.17546773
H	16.20324900	2.41945800	7.40104300	-0.35126627	0.13135110	0.11478975
H	16.19083800	3.21990300	6.06699600	-0.49802294	1.33689964	-0.41966784
O	2.71083900	12.04769900	0.01138700	-0.17653138	-1.35620243	0.20378233
H	2.75792600	11.05900300	0.20554200	0.13927816	0.86657677	-0.14976093
H	2.97729200	12.49384600	0.84725000	-0.26622638	0.06981600	0.05658115
O	6.09798600	9.45873000	18.30164300	-0.07551257	0.06919790	-0.20424721
H	6.46454400	8.55807500	18.25323900	0.11564096	-0.29719237	-0.12070028
H	6.25511300	9.68565000	19.23432500	-0.02279638	0.11084582	0.02985721
O	1.59513600	3.25071000	17.62919000	0.50485306	0.35049706	-0.77602003
H	1.23505400	4.18385600	17.71745500	-0.25329235	-0.29584460	-0.37203333
H	2.06503300	3.24634400	16.74779700	-0.54623856	0.23701041	0.78861596
O	11.05585900	8.59344200	8.75070800	-0.21474048	0.39502334	0.52716658
H	10.48238100	7.83504400	8.52219600	-0.09977426	0.01066546	0.05771760
H	11.85138200	8.45516500	8.21572700	0.19575938	-0.19397955	-0.68941206
O	10.49665500	17.97618100	15.75002900	1.91238797	0.30768253	-1.17449356
H	10.45777900	17.01786400	15.75209500	-0.41791793	-0.80220627	0.27895160
H	9.76200400	18.28039200	16.25901600	-1.43919009	0.50017335	1.00664143
O	18.37048000	11.94449400	0.09989400	0.85469910	0.44260329	-0.03145898
H	18.13735800	12.47298900	0.92591200	-0.19619116	-0.47355007	-0.33813417
H	19.17262600	12.38569000	19.69789700	-0.49273949	-0.19797985	-0.17128115
O	4.73284900	3.95421200	16.29138000	0.14830718	-1.13055585	0.16923258
H	4.72213900	2.98313700	16.48185300	-0.00908928	0.66562017	0.34226811
H	5.03397900	3.92753200	15.36743300	-0.10019471	0.38481343	-0.36483063
O	3.03779800	3.20891500	3.79722300	-0.27279142	0.94311350	0.19452717
H	2.46496700	2.95355300	3.01266400	-0.25638396	-0.44103679	0.24669398
H	3.23890100	2.36590000	4.20961800	0.07004453	-0.85073765	0.07732228
O	17.14751100	0.36935600	13.17798700	0.55407628	0.13261799	-0.50357538
H	17.30181900	0.43121300	12.21332800	-0.15349804	0.01161009	-0.10342200
H	16.16820500	0.30720800	13.27506600	-0.40032678	-0.20345052	0.44262602
O	3.57568400	9.13137700	15.12667200	1.33595019	0.55913013	1.22662845
H	3.76520200	10.06044000	15.42107900	0.14543731	-0.66931280	0.03127066
H	2.86960700	9.25545100	14.51975900	-1.27813656	-0.06923775	-1.38405387
O	11.85093800	10.90878400	15.46811000	1.83957862	0.49274622	-0.97859924
H	12.21176100	11.82624400	15.21764200	-1.21400121	-0.99109674	0.36747456

H	11.00560700	10.98834500	15.91397000	-0.82814923	0.55394024	0.48290705
O	3.88130600	10.92890500	12.06411600	-1.11955441	-0.56754843	0.50115069
H	3.04179100	10.40869700	12.19531500	0.91132612	0.02934383	-0.55515683
H	3.63991700	11.75069000	12.52112900	0.37603314	0.17176387	0.00346454
O	16.16474900	8.61842300	7.73032200	-0.20179165	-2.37966894	0.42399800
H	16.11616500	9.54478100	7.95093000	-0.15964055	0.93677579	0.62024393
H	16.01360300	8.03733300	8.56014900	0.19672881	1.37107576	-0.99775844
O	14.86775900	8.68938200	13.51709900	1.81721730	-0.41876997	0.74343321
H	15.46108500	9.22374300	14.10176400	0.20383139	-0.54959171	-0.19489345
H	14.18823600	9.31300400	13.36371400	-1.84188854	1.02281763	-0.46827131
O	12.61771400	6.47295600	3.86162200	-0.23093467	-2.10675246	0.38116208
H	12.72571200	5.57360300	4.37821800	0.40177824	1.77275193	-0.80461821
H	13.43850300	6.98868800	3.94413800	0.10053937	-0.12003713	0.36427642
O	3.28355600	9.12747000	0.58855500	0.87234538	0.63682935	0.81568544
H	3.51710000	8.64965300	19.76043500	-0.25243396	-0.22513969	-0.52618745
H	4.18278500	9.47507000	0.92806800	-0.83663481	0.07144521	-0.17972101
O	14.01905400	14.70135000	11.30644400	1.05739083	-0.41700356	-0.44519964
H	14.94249500	14.76120200	10.89049900	-0.67036922	0.25644348	0.64295311
H	13.85387200	13.71425300	11.21741600	-0.09652928	0.25680709	0.12988090
O	18.40235300	11.39978100	16.89901500	0.72766462	1.03309508	1.30849967
H	18.49541700	12.37495300	16.82780100	0.03630246	-0.42868616	0.06669003
H	18.01976600	11.04972800	16.07915700	-0.72956077	-0.79491440	-1.35422835
O	14.65199800	14.81379200	14.23150400	0.70781596	-0.55530969	-1.48665683
H	14.38382800	15.06073200	13.29425000	-0.00165774	0.07333871	0.56021926
H	15.25922800	14.06274400	13.97395900	-0.23843558	0.33746162	0.57986489
O	17.58484600	14.61191300	7.90392400	-1.14813864	0.51298605	-1.22588337
H	17.56990200	15.58155300	7.64217300	-0.15244939	-0.40980238	0.08227069
H	16.82445300	14.29841700	7.31171000	1.01636153	0.12970520	1.14496474
O	18.99737700	9.26690700	13.03644000	-0.99273266	-0.15776915	-1.19117474
H	19.53106500	8.50812900	13.28944500	0.67151111	-0.62540341	0.33891506
H	18.59610400	8.93260600	12.17739300	0.63924228	0.58956042	0.74291021
O	15.26460000	1.64928300	1.13597600	2.08253619	-1.48796805	-0.46931835
H	15.63969500	1.50910900	2.06047500	-0.37867503	0.27652087	-1.03743524
H	15.94761800	1.13871700	0.53596100	-1.62360614	1.39900781	1.54411662
O	15.60377300	10.53153600	11.03339500	0.44951112	0.84436991	-0.98025261
H	15.66137800	9.56420000	11.08309200	0.01215223	-0.47416596	-0.24908988
H	15.74404600	10.82504700	10.07069400	0.22095225	-0.68868741	1.22495067
O	3.57158500	8.09082300	18.14876000	1.20162195	1.48029706	-0.72749944
H	4.38527100	8.61504700	17.87782300	-0.83607858	-0.22617727	0.47991473
H	3.89139900	7.16684400	18.00772500	-0.41922913	-0.58536467	0.23008732
O	6.65215400	19.78053300	14.11923000	0.16142321	0.91342935	1.43713718
H	6.25577900	19.41102600	14.94424200	-0.07620939	-0.16636257	-0.61296686
H	6.92081500	0.69661000	14.43840500	0.06261699	-0.87092055	-0.69911646
O	17.28653000	14.99733200	18.41675400	0.72714598	0.44083595	0.52380905
H	17.67924700	15.76790000	17.94297600	-0.30265456	-0.19567684	0.46905825
H	17.74576000	15.01737900	19.31378900	-0.06417001	0.02322334	-0.98535766
O	1.27905000	9.25521600	17.11415100	-1.94388520	1.41449823	-0.24366500
H	2.15159700	9.01082800	17.39742100	1.81697838	-0.80638407	0.74362181

H	1.33366500	10.17575600	16.78381200	0.08756094	-0.11038365	-0.11901092
O	17.84859800	13.09559200	2.45835000	0.90989666	2.24211623	-1.62789416
H	17.51078000	12.41418500	3.00386400	-0.32279856	-1.67455467	1.60532475
H	18.72773600	13.45795200	2.80926100	-0.28422952	-0.90127681	0.42138520
O	7.69108100	14.63922400	1.32552600	-0.34278081	0.04507083	-1.78228808
H	8.21607100	14.94584800	2.06089400	0.79401428	0.49545238	0.68549091
H	8.06177300	15.12157600	0.50006500	-0.49835304	-0.48891343	1.14340321
O	11.12069100	11.72156100	2.74712200	0.78627671	-0.39480803	-0.90807391
H	11.68734100	11.04640900	2.21818900	-0.62625412	0.35139364	1.06323375
H	11.45698600	12.56463600	2.39825400	-0.10231899	-0.01525863	0.23137184
O	3.79891100	4.84248200	1.65330600	0.18676608	-0.38998981	-0.66505017
H	3.51719700	5.70762500	1.99881200	-0.43701255	0.38746629	0.43583710
H	3.64803100	4.17593900	2.35579900	0.32493415	0.28486860	0.32199871
O	19.06962000	19.11600500	8.30381800	1.09094380	0.48418799	0.91702176
H	18.41140000	19.62348000	8.83721300	-0.17370085	-0.07376949	-0.18747562
H	18.65691900	18.68619200	7.56247300	-1.02994181	-0.45040952	-0.59119691
O	0.56142300	5.11123800	0.91769500	-0.15298803	-0.54783906	0.20113868
H	0.69181400	4.15053300	1.09292300	-0.06703413	0.01691190	-0.11176366
H	1.44774400	5.46130700	1.06886200	0.32764512	0.29076779	0.14836551
O	16.85135300	4.24408400	9.25187200	0.90795268	-1.03391098	-1.04515505
H	16.19067600	4.71689400	8.73448700	-0.60767161	0.35029435	-0.13670670
H	16.70708800	4.42760900	10.19136900	-0.44839458	0.38510301	1.02472262
O	12.40063700	17.80441500	3.57683200	-0.10845671	-0.79538877	1.05323621
H	11.75641400	17.66828300	4.37077600	0.76953617	0.16489259	-0.93914477
H	12.28894500	18.71902800	3.31894300	-0.37302091	0.50001954	-0.28846607
O	0.66814000	5.83069400	17.62927800	-0.66477281	1.19946485	-0.20198039
H	0.70082100	6.38183500	16.75156800	-0.30458640	-0.99906614	1.30960574
H	19.89241200	6.19820000	18.17760700	1.14122027	-0.82590746	-0.78206949
O	9.42769700	6.86153400	12.03321400	1.00629329	-0.24988346	0.23992916
H	8.47036900	6.90189800	12.10351300	-0.69256947	0.15679818	-0.22438817
H	9.65258100	6.00522200	12.46138000	-0.14759241	0.38346042	0.01522825
O	16.45359000	3.30272700	13.72591200	-0.27708963	-2.03100758	1.27750755
H	16.87322200	2.39725300	13.56015200	-0.37236077	1.15411587	-0.08784085
H	15.64333200	2.99787300	14.35032200	0.85444622	0.61956990	-0.84969093
O	10.76987600	17.00181000	5.50707700	-1.42891349	1.26041048	-1.06180301
H	11.33476400	16.33266300	5.88725700	0.72175549	-0.72496008	1.30268656
H	10.46371600	17.64580700	6.18867000	0.53934723	-0.65393497	-0.06890779
O	2.75951600	14.01123100	1.99133100	1.01084300	-0.24895132	1.49056873
H	2.30535500	13.53415000	2.73080400	-0.36262295	0.19393225	-0.84523755
H	3.60133800	14.24902100	2.48738700	-0.59893486	-0.15870454	-1.00062395
O	0.60506300	0.73655600	18.06995600	-0.34734740	0.40896923	-0.46518930
H	0.86115000	1.65012000	17.75862100	0.15628011	-0.40586743	0.54757755
H	19.66312800	0.70632200	17.67508900	0.60925242	-0.21083385	0.17113140
O	6.29796000	4.57100700	11.37076700	-0.24510586	1.00902940	-0.14286128
H	6.11405300	4.41382800	10.42106600	-0.29645582	-0.02755866	0.17947612
H	6.16454400	5.57093300	11.45524900	0.46073871	-0.99512208	0.03835563
O	13.47502700	14.91467600	3.07110800	-0.05873689	-0.86907490	1.16625840
H	13.51307900	15.86425000	3.24420900	-0.31267334	0.65659409	0.24512276

H	13.14343700	14.48945000	3.93481900	0.10835682	0.49990037	-1.20294161
O	5.61544300	15.78566300	18.16989900	-0.56846821	-1.52293527	-0.52813062
H	5.35955000	16.36927000	18.89171600	0.04207991	0.50606664	0.88898992
H	5.10227600	14.91936300	18.32945300	0.40883008	1.14651747	-0.08872017
O	9.19026500	6.09079100	19.34961300	-1.57641657	-1.67957115	-1.65531287
H	9.55570000	6.41628000	0.13204400	1.14979502	0.99774236	2.34669139
H	9.45950400	6.68339100	18.62800800	0.33622657	0.51566475	-0.47630430
O	12.73727900	15.25852900	17.68438900	0.05212090	1.64480839	-1.04900893
H	12.43999200	14.94735600	18.53773100	-0.70685120	-0.46755031	0.63717033
H	12.42372900	16.22203100	17.63706400	0.37777649	-1.82009290	0.36134481
O	0.29398600	14.65855300	8.42612200	0.87814881	-0.47234429	0.04417954
H	0.72286000	13.86903200	8.88705200	-0.81261520	0.69629014	-0.32040748
H	19.32247200	14.51547100	8.35532400	0.23922674	-0.35614113	0.11545635
O	5.83908100	17.40367900	0.54731400	-0.66881526	0.16138376	-0.24733096
H	6.72264500	17.44779400	0.94439100	0.21817517	-0.05156450	0.38517119
H	5.72192500	18.34182200	0.25076000	-0.22858088	-0.08782052	-0.12475567
O	7.08439600	11.63007500	11.11390600	-0.54726594	-1.05803888	-0.37317680
H	6.11562000	11.51255300	11.26557400	0.55033416	0.07058030	-0.08242217
H	7.33274100	12.43572400	11.57131300	-0.15986305	0.82478650	0.07517217
O	10.29049100	3.58294600	19.87955300	0.72554220	-1.38226807	0.17953434
H	9.77233300	3.30538500	0.65063900	0.00111186	0.11951709	0.02172567
H	9.92301700	4.41246200	19.56931100	-0.56406599	1.02346863	-0.25703534
O	9.00470400	19.98615800	8.84058600	0.29873002	-0.35465884	0.25254341
H	9.38862400	0.33642800	7.99299700	-0.49380754	-0.58294275	0.30831632
H	9.29931200	19.03644000	8.98376300	0.29983855	0.30050377	-0.82147987
O	2.30079100	10.90815700	6.96059500	0.10055972	2.26135186	-0.03832457
H	2.18653000	9.97683000	6.97810900	-0.32678239	-2.31958330	-0.42631824
H	2.06752800	11.14290000	7.87594900	0.01713582	0.31360409	0.29227067
O	10.33329200	7.59504600	4.92739600	1.66274565	-1.64290551	-0.34542873
H	11.01491400	6.93691500	4.46182200	-1.42605994	1.70017159	0.72071849
H	10.89600700	7.73269800	5.72432000	-0.26523693	0.25213860	-0.15298533
O	6.38762600	5.41996100	1.05925900	-0.79377670	-1.18562922	-1.13134273
H	6.61497600	4.68931200	0.37973500	-0.10019651	1.08942036	1.14639104
H	5.39057300	5.23242500	1.22517600	1.20018415	0.08657676	0.13065750
O	1.08237100	0.06872200	10.62973400	-0.13919738	-0.03024657	1.88861291
H	1.11248600	0.38654100	9.73231000	0.22638632	0.16926465	-1.13263285
H	0.84847300	19.08850900	10.57682600	0.18461537	0.45903576	-0.24151056
O	19.16521300	5.89135400	6.03590900	-1.18257171	2.84488971	3.18587091
H	18.22483300	6.23160900	6.30608700	1.87120326	-0.84644220	-1.26022830
H	19.08408500	5.24778800	5.37243900	-0.85750628	-2.20590779	-1.73630252
O	3.23305500	18.56240700	8.10417700	0.25919666	0.98447287	0.70303878
H	2.76605400	19.44149800	7.96079700	0.03848231	-1.05709562	0.31380205
H	3.61717800	18.64174500	9.01442000	-0.43226811	-0.15611974	-0.91242180
O	5.26110400	14.40460400	3.43236600	-1.54480630	-0.50869203	1.90500401
H	6.00406800	14.27629700	2.85982600	1.25050350	-0.61362690	-0.88445167
H	5.09306200	13.57404000	3.99890800	0.77883972	0.90157666	-1.31895792
O	12.72461300	7.49605000	10.95101100	1.00646411	0.22391337	0.98810512
H	12.83616900	8.15994700	11.68366700	-0.49773133	-0.66856987	-0.70294298

H	12.29776500	7.95791100	10.21634600	-0.61039874	0.35434383	-0.18759670
O	1.71823500	8.14848800	12.22018200	0.67570827	0.21613176	1.06592124
H	1.16581400	8.11539600	11.42090600	-0.02191236	-0.46216031	-0.24430493
H	2.21102100	7.30559400	12.39069300	-0.65880439	0.71428907	-0.41434237
O	6.59185900	6.29461100	18.00729800	0.58111599	0.34824096	0.32081620
H	7.27647300	6.27734000	18.72748400	-0.52602824	-0.18593483	-0.39799575
H	5.89878200	5.67224600	18.28816000	0.15912939	0.16789811	0.10506962
O	2.97335000	0.45448700	5.12695800	0.54234666	0.42426621	0.82276893
H	3.09899600	0.45728800	6.10987800	-0.40650751	0.00483641	-0.78351458
H	2.02454900	0.30210600	4.99191400	-0.34318769	-0.33595890	0.05042888
O	8.01501800	4.56984700	3.17424700	-0.74118326	-0.84217563	0.91438996
H	7.19339700	4.02798400	3.48551400	1.22932281	0.50875007	-0.17422269
H	7.57191000	5.02350700	2.43685100	-0.02358602	0.48750117	-0.56507024
O	13.28193900	4.08882000	5.62568900	-1.38844880	-0.21016028	0.55360895
H	13.76960800	3.32176000	5.25064600	-0.05952929	-0.10612685	-0.16052711
H	12.41557800	3.67148800	6.01302100	1.24339704	0.61026142	-0.75459156
O	7.23872300	16.23597300	5.10860600	2.17260064	0.61585006	0.78056063
H	6.47024200	15.75623400	4.82609300	-0.55802335	-0.98044500	-0.62301704
H	8.08722600	15.66518700	5.07715100	-1.67559044	0.10040819	0.22294734
O	4.44120600	13.33485900	18.49781000	0.61899852	0.13786921	-0.94019717
H	4.47319700	13.07545400	17.55369200	0.17843766	-0.11331267	0.13353715
H	3.67494300	12.82815300	18.82669100	-0.33970739	-0.22677614	0.63523206
O	15.86473700	11.65781800	18.55455800	0.31099154	0.00371576	0.44003216
H	15.68038500	12.30763400	17.86194400	0.23234471	1.38115540	-0.81474649
H	15.03001700	11.19051600	18.55030300	-0.76997222	-0.97431494	0.74670169
O	17.85149000	3.37126500	17.95273000	-0.12081912	-0.08595274	0.58597236
H	18.09528900	3.78404700	17.07439400	-0.09707081	0.15935303	0.15591237
H	17.71435500	2.42959200	17.77140800	-0.07230371	-0.30462338	-0.37110496
O	15.67183700	7.47614700	10.29451400	-0.68828092	0.65794364	-0.12860939
H	16.02732700	6.91606900	11.00310400	-0.04568113	-0.50119438	0.09477109
H	14.68215200	7.44018200	10.40109900	0.48738602	-0.24335555	0.12576909
O	6.49287600	8.32832200	14.51804400	-1.50084578	-0.11348097	0.37241929
H	5.58175600	8.74528700	14.61019300	1.09426353	-0.52390862	-0.21592230
H	7.09818200	9.02446000	14.20440200	0.26537769	0.29555809	-0.43841034
O	18.72795300	6.56869800	19.56217000	-1.62098932	0.16200021	-0.03623443
H	17.78380800	6.24641800	19.57416200	0.88374614	0.35128611	-0.09789553
H	19.13362700	6.13581100	0.34276300	0.51091821	-0.22122221	-0.08947386
O	6.00944500	3.18422300	4.10594100	-0.28443712	3.19892546	2.71254431
H	5.08839200	3.39230300	4.37168000	0.35815443	0.71166506	-0.22669210
H	5.86298000	2.38202400	3.71790100	-0.37503871	-4.17433583	-2.55221856
O	18.96573600	1.32094300	5.60155300	0.01209678	-0.45546929	-0.24777085
H	19.55917500	2.09362400	5.58938400	-0.61302674	0.06979553	0.19595602
H	18.05765200	1.58404100	5.90493900	0.50916774	0.60299945	0.23232401
O	4.09763100	6.68884500	5.05610800	2.19459580	2.67116553	-1.32377996
H	3.58488800	5.99412900	5.40505100	-1.88488579	-1.79519392	0.50738000
H	3.69438500	7.05985600	4.23388800	0.04054734	-0.53895732	0.63639162
O	11.78762900	17.64656100	18.62201900	-0.56302911	0.44182777	-0.75572368
H	11.51074500	18.31282400	19.27126100	0.11101260	0.40766760	1.06254030

H	11.29529000	18.02394100	17.85632100	0.11704776	-0.35785378	-0.17965034
O	11.04101900	2.69178000	6.48148200	-0.22233505	0.47893555	0.56424691
H	11.11612700	2.85697400	7.45497000	0.36967975	-0.14652347	-0.30799566
H	11.49626300	1.83360900	6.33321100	-0.25090907	-0.34085171	0.16710755
O	4.66839400	13.36206800	13.44688600	0.30049146	0.06276052	-0.05664717
H	4.28796300	14.23365900	13.62738900	-1.02593806	0.50881027	0.32631911
H	5.59189100	13.59607800	13.61670700	0.55630735	-0.47334845	-0.19506307
O	7.12977600	14.43177000	11.62474100	0.35292015	0.33139199	0.36875934
H	7.69849200	14.68162600	12.38552000	-0.33581065	-0.13270977	-0.18051601
H	6.57143800	15.22882700	11.48435800	0.11242699	0.05649050	-0.21110293
O	14.83455300	19.28882600	4.56963200	1.07818988	0.31158928	0.43021528
H	14.11119600	18.84851500	4.11141300	-0.57974806	-0.53736771	0.02496894
H	14.77580100	19.01623700	5.54405600	-0.35249830	0.19854738	-0.71651172
O	17.76303300	1.80173700	3.04126400	-0.23044770	0.15423741	-1.79954959
H	18.30581300	1.42018000	2.30944800	-0.43070401	0.45565798	0.10700629
H	18.20670700	1.49626300	3.82167600	0.60115010	-0.79366571	1.61926977
O	7.48655100	9.94393700	6.42858700	-0.66584747	-0.22108685	-0.82144220
H	7.81414600	9.76449700	7.34141500	-0.02908067	-0.20292000	-0.19826696
H	6.77434500	9.24058600	6.20366300	1.04502832	0.79947155	0.73202596
O	13.01373400	18.77142700	10.54461200	-1.23461260	1.88342566	0.34595662
H	13.51867000	18.84959000	9.70980500	0.07083473	-0.08812260	-0.16800474
H	12.45067400	19.66278600	10.56682100	0.98158064	-1.94557921	-0.48068804
O	14.84087000	13.57499800	6.90733800	0.29057825	0.08591182	0.59599476
H	14.72756200	12.81752500	6.29461000	-0.21468995	0.37548242	-0.69425524
H	14.01157000	13.68028100	7.42010300	0.20384023	-0.02741867	-0.24419255
O	3.36600600	15.63447300	14.81897500	0.05321898	-0.51390664	-0.62284758
H	4.13872100	16.20520200	15.04103700	-0.25753886	0.35268520	0.30358539
H	2.72233100	16.26364900	14.42788900	-0.13036506	-0.12138899	0.07656778
O	11.95447400	1.45389400	14.89045500	0.27049868	-0.69197247	0.15261904
H	11.41059800	2.13552200	15.32212500	-0.35039740	0.44641862	0.30051924
H	11.82495900	0.67771300	15.48883200	0.02914010	0.59372397	-0.18084856
O	10.98394800	19.76846500	0.64494500	0.24184905	-0.07039224	0.08057551
H	10.01477000	19.97226900	0.66764500	0.12680890	0.20464539	-0.13759180
H	11.43981400	0.59571500	0.35057100	-0.23823905	-0.17126291	-0.41587251
O	8.06478000	3.58587800	17.00504300	0.93317657	0.39602864	-1.77820189
H	7.53695300	3.31987800	16.22914500	-0.03871704	-0.08452773	0.24348834
H	7.56091200	3.39665500	17.78852500	-0.88404791	-0.39022078	1.30849494
O	0.49311900	12.45834200	18.41588400	-0.26404466	1.71119399	-0.56631224
H	1.18667300	12.32695600	19.08673500	0.70623393	-0.03494620	0.28257325
H	0.65275000	13.40763300	18.10686900	-0.17584246	-1.58663323	0.40793020
O	8.69280800	14.65884500	14.13034100	1.00838124	0.06662147	-2.78986367
H	9.05278600	14.86015200	14.98810700	0.68593390	0.22259531	1.90826014
H	9.52059300	14.71204100	13.51136000	-1.30152918	-0.57142079	0.95415027
O	12.11680800	13.68606500	14.50476400	1.02819749	-0.12503232	-1.18227563
H	13.09823600	13.92174600	14.51742300	-1.06805719	0.06394479	0.14952123
H	11.95321800	13.64117900	13.51362300	-0.12015501	0.05255178	1.19935437
O	12.62260700	9.55407300	1.93078800	0.30940455	-0.05215702	-1.41265674
H	13.47886700	9.43266800	2.38866600	0.06948451	0.05875775	0.35708858

H	12.94781100	9.66679700	0.96645300	-0.63205002	-0.02141017	1.18239094
O	3.70454400	6.48925600	8.49712700	0.62359152	-0.54322159	0.72549434
H	3.07071400	6.93554400	7.93586100	-0.56946012	0.94771340	-0.50122187
H	4.35394300	7.15866300	8.82636800	-0.26716014	0.08806955	-0.17910450
O	8.34757000	1.51369200	6.72448300	-0.48394227	-1.56154479	-1.99512589
H	9.11858200	2.05068100	6.52371700	0.98138835	0.91049139	-0.19082305
H	8.33118200	0.92624400	5.88074600	-0.22077617	0.70638469	1.70051808
O	8.20666900	10.16064800	13.25613500	0.04528530	-0.09316868	-1.94333057
H	8.00816000	10.59393300	12.34531000	0.03270289	-0.93475496	1.64964933
H	7.79955400	10.78677500	13.88772500	0.21547892	0.61479347	0.08014857
O	9.65051700	16.44620300	2.74568400	0.94688673	-1.02362876	-1.17084106
H	10.36195600	16.10070000	2.07606800	-1.02205366	0.65744580	1.29955196
H	10.07604700	16.45465100	3.62635300	-0.01864329	0.12098132	-0.17844509
O	14.46310000	12.60225700	1.67510900	-0.51152367	0.22348988	0.49203402
H	15.15311900	12.08566000	1.25739800	0.32012485	-0.25345723	-0.52128543
H	14.29641000	13.38810000	1.10212500	0.31656522	-0.21205495	0.12032770
O	8.92353500	6.76789500	8.98649500	-0.56800887	0.20878961	-1.07731947
H	8.17121800	7.13822800	9.47010900	0.32451777	0.14774926	0.59211347
H	9.65103600	6.43012400	9.56662100	-0.22982050	0.01439714	0.45115182
O	7.10112300	8.31249700	0.92868900	-0.60672119	-1.11736154	0.13921896
H	8.03722700	8.26958700	1.23656500	0.25606336	0.42381047	0.01627073
H	6.74178600	7.41328100	1.14874300	0.16908400	0.22606439	-0.48710039
O	9.77909400	15.24029700	16.66194000	0.51023487	-0.38254219	0.11506286
H	9.25609500	15.23496000	17.50722100	-0.48041540	0.45619029	-0.11982852
H	10.61796400	14.83302500	16.95603200	0.07485368	-0.03329254	-0.47754993
O	14.85392800	17.78947300	0.79471700	0.78209715	-0.49476958	0.53893561
H	15.57690300	18.35638400	1.14254500	-0.25460335	-0.31028592	-0.03354755
H	15.16469300	16.86307900	0.99672200	-0.27850854	0.76240241	-0.23082436
O	3.90288500	16.66867400	2.73016700	1.24132665	0.70478724	-1.12204104
H	4.50579600	15.87455700	2.80903900	-0.50187718	0.94046645	0.14952936
H	4.33891100	17.21317500	1.98357500	-0.43411196	-1.04172961	0.85768669
O	1.43859100	16.41090000	3.93940900	-0.87498411	-0.51515563	0.38837851
H	1.80059400	16.27653300	4.85639700	0.04982070	0.01980654	0.12444326
H	2.18385000	16.33263200	3.32818100	0.82605159	0.23573997	-0.35708789
O	6.41636100	12.49433900	6.42741600	-0.55442534	0.89552585	-0.74994578
H	6.97416600	11.71172400	6.58565900	-0.19537518	-0.85599983	-0.33252293
H	5.85183000	12.33357000	5.62305200	0.64552938	-0.66164504	0.67922219
O	12.76995000	12.18973200	8.15522100	-0.11217197	0.54654726	0.43321162
H	11.79583200	12.36793400	8.18389000	0.23074103	-0.17984768	0.05666763
H	12.94962400	11.57982200	7.43349800	-0.12863473	-0.47468202	-0.43752794
O	3.06891500	16.19924700	9.99559900	0.36361906	-1.47959286	0.66604511
H	4.04913700	16.24334900	10.02384900	-0.36480898	0.20397736	-0.12444176
H	2.89522700	15.28931400	10.38396900	0.03994697	1.14433970	-0.57983902
O	15.94797300	4.30577100	19.88474800	-0.11583732	-0.90835340	0.59903662
H	16.55030300	3.92527800	19.20522500	0.27791150	0.17623943	-0.36874384
H	15.89230300	3.57227000	0.55134100	-0.08102547	0.32850398	-0.33697764
O	11.26508400	17.44397700	12.23898400	-1.63417323	1.34233771	-0.72338162
H	11.84430000	17.87870600	11.57039100	0.51265048	-0.44103314	0.56098910

H	11.70108300	16.77621800	12.73981700	1.06563835	-0.93460723	0.31931086
O	19.56729500	5.22634900	12.05046400	0.47903024	0.02900985	-0.09901293
H	0.11970000	4.93674800	12.81872000	-0.06397535	0.22345234	-0.05967572
H	0.22822700	5.41196700	11.34338100	-0.42746399	-0.10669363	0.31083483
O	0.33985500	18.85614800	4.18410800	-0.23117142	-0.10816075	0.01348677
H	0.77566400	17.95051600	4.12253000	-0.37264600	0.44743338	-0.10830704
H	19.39516300	18.68264600	4.42119700	0.54191904	0.10060651	-0.23761393
O	2.01885200	14.62620200	16.96093800	-1.03351024	0.44506722	0.09838577
H	1.17691800	14.97613300	16.55556900	-0.00560520	-0.66734745	0.43782895
H	2.58303600	15.01547200	16.26277700	1.20920506	0.12282005	-0.25947392
O	14.90337000	1.48270900	8.68126000	-0.37813435	0.61415707	0.48926412
H	14.02426800	1.88525200	8.92496700	0.77688940	-0.09628092	-0.42605491
H	14.70748700	0.72785700	8.09541000	-0.19628586	-0.21829648	0.03139015
O	2.86229300	19.45856300	12.76207400	-0.83561035	0.52240027	-0.65659523
H	2.29847600	19.68775700	11.94939700	0.79532381	0.03251607	0.62349918
H	3.80708400	19.36616100	12.47152600	-0.15678138	-0.23930392	-0.26353005
O	9.74542000	7.71572700	17.29591200	0.39613571	0.72266122	0.32136372
H	9.20900500	7.35587100	16.58606300	-0.65774989	-0.41127803	-0.74487644
H	10.65122400	7.55846300	16.95263300	0.29123704	-0.16867810	-0.07613285
O	16.76753800	9.57507900	0.75581200	0.93270925	0.13261502	-1.62434598
H	16.48586500	8.70806000	0.44647100	-0.15983716	-0.66983458	-0.37637212
H	16.34965500	9.60055200	1.60617000	-0.76641111	0.31463242	1.64457979
O	2.22379600	16.15835800	6.57320000	1.02748516	1.03642124	0.60741652
H	2.80462500	16.85451900	7.03820000	-1.09896195	-1.01440066	-0.63582262
H	1.59884100	15.84942900	7.26030000	0.00395060	-0.09371132	0.02154167
O	19.17685700	15.30677200	0.51621700	0.95147575	-0.51814644	1.02869439
H	0.15861500	15.51965100	0.19635600	-1.55921068	-0.85129526	0.93307324
H	19.16839400	14.71698600	1.35167700	0.66613032	1.45015974	-1.98707683
O	11.87465500	6.87476700	15.67682000	-0.54711603	-0.01317970	0.87674762
H	11.64854600	7.40111300	14.91428000	-0.38215701	0.75791904	-1.00446481
H	12.80458100	6.70941100	15.52012300	1.12134041	-0.56279059	0.01251944
O	11.34116600	19.98447200	5.92666100	2.22722824	-0.79423107	-1.08964466
H	12.25000400	19.52249100	6.04676300	-1.43076359	0.63113633	0.70436798
H	11.45889300	0.11788600	4.94339300	-0.68853131	0.16182028	0.48739972
O	5.37861900	19.12764400	11.72015800	0.77434912	-0.25141373	0.32071776
H	5.58036900	19.95040300	11.17738800	-0.30222127	-0.50018417	0.22209820
H	6.06447700	19.16411000	12.43917300	-0.68730449	0.10669408	-0.20411482
O	18.49417900	17.74971800	13.66168900	-0.93026598	-0.24971232	0.68089012
H	17.71843000	17.28023300	14.19731600	1.46987821	1.22191187	-0.70633113
H	18.30503100	18.72499800	13.59989300	-0.50458137	-0.84120625	0.07046256
O	7.91802000	18.47492800	2.09873200	0.59106602	-0.54967788	1.16043072
H	7.81295500	18.82887600	3.04092500	-0.09958339	-0.39113872	-0.90341784
H	8.55237000	17.69454800	2.24702300	-0.33891805	0.94856434	-0.11192768
O	17.98622300	10.29079700	4.06805100	0.28942055	-0.34549443	-1.90652289
H	17.11687300	9.84675700	3.80707100	0.73521844	0.33043187	0.38049410
H	18.63084800	10.11547800	3.25899200	-1.15834584	0.38481928	1.61181539
O	19.38309900	5.21820200	9.03935900	-0.87284314	-0.81982262	-0.51452153
H	19.34087000	5.32322900	8.05141400	0.04683788	0.08077990	0.70776814

H	18.49233800	4.70895800	9.23433700	1.17609728	0.92736929	-0.52631411
O	19.40379700	1.23204600	14.49338600	0.04532041	-0.52276618	0.29855484
H	19.97474900	2.01758700	14.38861000	0.01172212	0.20597202	-0.09188765
H	18.82319300	1.13717900	13.71164500	0.16661325	0.34599705	0.02354529
O	7.31524900	17.03034000	13.49424400	0.32599762	1.68657974	0.55677417
H	7.41912000	17.87612000	14.04506200	-0.22951253	-1.34810958	-0.59078481
H	7.96106400	16.38752200	13.86048400	-0.06922128	-0.21108882	0.18791235
O	18.51422900	17.96947900	17.77801100	-0.59429505	-0.66503580	1.41450179
H	18.43634200	17.92823000	18.81061900	0.34362568	0.41163925	-1.46868338
H	19.41081600	17.69435300	17.53804000	0.30862527	0.04306586	0.15781491
O	6.53997200	12.12927300	0.19662400	0.11294582	-1.02370846	-0.42389071
H	5.99346500	12.30298300	19.40492200	-0.26936046	0.04297509	0.07137037
H	6.78013600	12.99415900	0.50909400	0.52915784	1.31550622	0.54842430
O	18.06143400	11.15051400	6.67304500	1.24138523	1.49782272	-0.60741691
H	17.91627300	10.91653300	5.71179400	0.16794236	-0.16435964	0.20114109
H	18.79649000	11.88504400	6.59865500	-0.87599908	-1.39097009	-0.05699489
O	9.99949800	12.72916900	8.42200900	-0.25715973	-0.80029770	0.14539046
H	9.74696700	12.76548200	7.47158200	-0.16978917	-0.26027991	0.21754815
H	9.60315300	11.88618700	8.81327000	0.18556175	0.91651764	-0.72942323
O	13.70102200	9.16243300	17.29018000	1.28904460	1.84968427	-0.91182597
H	13.34994200	8.49193200	17.84197400	-0.85374592	-2.20148557	1.09417148
H	13.22509500	9.18087000	16.45421400	-0.51110174	0.04988082	-0.38762448
O	6.96190500	2.97783900	19.44204700	-2.77801333	0.73078313	-0.40862237
H	7.59785400	2.39362100	19.81923100	1.32894141	-1.38470590	0.95202671
H	6.10234000	2.47318700	19.58973900	1.11529619	0.65320448	-0.38525382
O	5.16488200	1.53212300	10.92633400	-1.52098008	-0.14975189	-0.45726784
H	5.40785600	1.72366700	11.83321700	0.68431731	0.63098417	0.85840268
H	4.18931500	1.40375100	11.10243700	0.57345543	0.46172757	-0.70659462
O	7.65329000	18.99194300	4.87837400	0.93770169	1.09275289	0.21245912
H	7.88686500	18.04987100	4.98863200	-0.72140587	0.04020613	0.06154226
H	6.68038700	19.11763800	4.96873400	0.08943601	-0.87378917	-0.30894086
O	6.18330400	16.92417100	10.36297200	0.66416720	-0.35264356	0.10351464
H	5.77428300	17.65295400	10.88108200	-0.38471308	0.29676415	0.18242689
H	7.11529800	17.26920300	10.38636500	-0.43384542	-0.46774533	-0.14240891
O	16.95981400	17.10331000	6.92954600	-0.15275223	0.45209909	0.06469667
H	16.06850800	17.53241300	7.01820800	0.46671897	-0.22795130	0.21333359
H	17.21691500	17.30695200	5.99873800	-0.19057908	0.06617642	-0.22482861
O	10.67861600	3.94639300	16.21961600	0.92370764	0.00204828	0.55936039
H	9.78507900	3.76566300	16.59200300	0.02920357	-0.04739299	0.28629392
H	11.27101700	4.18865400	16.98041300	-0.68043954	-0.22134802	-0.79363456
O	14.49649500	2.09259800	4.18956400	-1.93553973	1.49460574	-1.91591609
H	13.69924600	1.74329000	3.67329000	1.02597864	0.30189230	0.74825077
H	14.87153100	1.32771700	4.58156100	0.82937312	-1.87167258	0.88782633
O	8.23090400	15.81368400	18.76188500	-0.49540470	-1.28268154	0.68816183
H	7.23952400	15.58459900	18.66676100	0.83346558	0.78685306	-0.43485907
H	8.29642000	16.77591300	18.61757300	-0.35780907	0.54994895	-0.07669921
O	2.34338500	18.80835000	19.73148500	-1.01205740	-1.85055430	-0.44592913
H	2.25209000	19.00378200	18.76935600	-0.17504450	0.21939599	0.50824342

H	2.10177500	17.81805600	19.74453200	0.64105314	1.29228392	0.15343504
O	7.61775900	2.59524400	14.13592000	0.74253293	-0.28471704	0.18189263
H	8.43699300	3.14543600	14.00207000	-0.13125308	-0.46132553	0.06541106
H	7.03038200	2.86419700	13.42660100	-0.69597115	0.50026806	-0.31985029
O	11.29511900	6.71218000	1.30725900	0.30292119	0.00578170	1.97473865
H	11.92784300	6.90747200	0.60333000	0.64634435	0.21207571	-0.88531434
H	11.89755100	6.77105900	2.13217000	-1.13344971	-0.19805601	-0.94636321
O	19.74553500	9.94028900	2.00164100	-0.48606544	0.54743940	-2.67023485
H	19.46695300	9.20469500	1.40900200	0.18217462	-0.60565254	0.87495673
H	19.58681100	10.58052300	1.22005100	0.19597808	0.02606953	1.61095727
O	19.05317900	16.10439700	11.38953100	-0.89096323	-0.61701794	0.63811909
H	18.89010200	16.73326500	12.13841600	0.32352318	0.06181920	-0.42078299
H	19.53928600	16.57225000	10.66546400	0.11389301	0.17481292	0.46911900
O	3.29156100	6.33208500	13.75635800	0.58483291	0.99111241	0.18881992
H	3.80820300	6.68324200	14.52549400	-0.46983730	-0.67234177	-0.74480010
H	3.14421500	5.37666100	13.83746700	-0.12302449	-0.19559884	0.67541708
O	9.58774300	4.46133500	13.70192200	-0.81458158	0.05811770	-0.15423771
H	8.89454900	4.88330500	14.31778400	0.69085772	0.42622553	-0.41520590
H	10.41705900	4.56747400	14.19491100	0.17179412	-0.15361307	0.45689333
O	14.83805800	1.52631900	17.76504100	-1.19412006	1.65243062	0.98731091
H	15.26250900	0.69943800	17.66511000	0.81775494	-1.81892999	-0.07896811
H	14.16797100	1.44700300	18.50502600	0.38789715	0.08823697	-0.97245714
O	4.78211100	19.86570200	19.82338900	-0.95374517	-0.46037985	0.44089937
H	4.77061400	0.07580600	18.87053300	0.37721498	0.36362585	-0.23602758
H	3.85029300	19.48307600	19.95346300	1.10699481	0.35742895	-0.05435367
O	10.68174900	14.25873600	11.98753300	-0.69529109	-1.11942557	-0.69660132
H	10.64761200	14.91589400	11.27557800	0.36345227	0.44015728	-0.22087562
H	10.51128600	13.38525200	11.49670900	0.17094250	1.03286043	1.13911035
O	11.94259400	13.52261800	5.20669700	-1.17156597	-0.99907484	-1.22118865
H	12.57431400	13.54757800	5.91045000	0.78259324	0.38369214	1.11976147
H	11.89596700	12.55495800	4.99148300	0.13758969	0.69501769	-0.20026339
O	8.17931000	0.63009400	0.46646900	0.07693426	-0.92348811	-1.32037863
H	7.99318800	19.87355600	1.07654500	-0.05757991	0.17099893	0.45180199
H	8.01598800	0.11312000	19.58913000	0.23000123	0.82459493	0.76718687
O	18.98351300	8.77471000	7.60099500	-0.07834993	0.86385678	0.08665614
H	18.83845700	9.72353200	7.28512300	0.13261828	-0.75507664	0.11986088
H	18.06770300	8.43390600	7.54935900	-0.21819793	-0.06841883	0.11171397
O	14.58173500	12.32157400	4.58460000	0.43985958	0.06056488	-1.65650162
H	14.79171600	12.81290200	3.70333700	-0.64406115	-1.34281815	1.48048238
H	14.48578000	11.36558600	4.33866400	0.21586428	0.74037313	-0.08331541
O	8.49282900	10.03178600	8.86459300	-0.24520134	0.74067198	-0.51538661
H	9.30221400	9.65056300	9.20049200	0.81587336	-0.67896980	0.32537163
H	7.88053400	10.16080300	9.59480900	-0.27652488	0.13046801	0.60322920
O	17.47624800	0.83447900	10.06991300	0.55132006	-1.00502747	0.16099158
H	16.81542600	1.39338200	9.68859600	-1.89648692	0.33747862	-0.99223237
H	18.02142100	1.54105500	10.42220100	1.20303132	0.52042692	0.71466451
O	14.41732300	2.76241400	15.31843800	0.74795986	0.69822528	0.81595385
H	14.64441800	2.27811900	16.15104300	0.04346811	0.12186752	-0.14633283

H	13.68183900	2.23637900	14.98452300	-0.65931166	-0.47458154	-0.52607291
O	8.09121400	6.00280400	15.29541800	-0.25079427	0.31857750	-0.23225019
H	7.25840100	6.49029400	15.00675900	0.97674251	-0.46665454	0.96784466
H	8.03345500	5.62927500	16.20933500	-0.88882710	0.15269789	-0.45557066
O	5.05510000	18.89136500	4.44120900	-0.56794963	0.25299971	-0.04594063
H	4.27402800	19.44373100	4.69022000	-0.09806567	-0.03620119	0.26743910
H	4.62425900	18.13828300	3.99894000	0.20254002	-0.56853817	-0.11367740
O	19.67554500	8.32366700	10.37808900	-0.51034811	-0.83608236	0.71351820
H	19.54811700	8.86605600	9.59847200	-0.10614525	0.55054621	-0.93773343
H	19.18109900	7.51061600	10.13676200	0.41262980	-0.00310105	0.01201467
O	14.61401300	14.86901700	0.09818000	1.18079608	-0.46549731	1.16666381
H	14.08914400	15.22268900	19.40038700	-0.82610147	0.54447310	-1.36975867
H	15.41598300	14.56869100	19.62591200	-0.12257558	0.14370085	0.02249869
O	2.27316600	5.10438400	6.03098300	-0.01119257	1.02286087	0.11324086
H	2.00681900	4.32165900	5.55241300	-0.06690723	-0.73997801	-0.54701155
H	2.45666100	4.81354900	6.92958500	-0.14211248	-0.48529783	0.44259181
O	12.78083200	7.54439600	6.75719100	1.01451184	-0.90050330	1.62286061
H	13.21557500	8.38955000	6.59790500	0.23298335	0.45686489	-0.31377612
H	13.44297000	7.03237500	7.36128500	-1.05777265	0.32624830	-1.31911207
O	15.54990500	6.80193500	0.74294200	-0.31952756	0.61101317	0.93549239
H	15.29886500	7.13540100	1.64268900	0.26584496	-0.21818361	-0.46233616
H	15.64758600	5.83048000	0.85217800	0.12417219	0.05199062	-0.24338793
O	9.59930800	8.83465100	1.59678000	0.18957694	-0.49965529	-0.71320932
H	9.70187300	8.87018300	2.55098800	0.18875801	0.23525792	0.74000856
H	10.28363000	8.14742400	1.34264900	0.09853795	-0.04647558	0.35412973
O	5.01624400	11.62593100	4.21438100	-0.15597781	0.69558628	0.30099901
H	4.08011600	11.64534900	3.94994000	-0.38919143	-0.44533480	-0.00735087
H	5.42180800	11.01014100	3.58167000	0.07687542	-0.30708156	-0.41401115
O	11.15051700	0.83889200	10.37188400	2.08071109	0.28332856	-1.13983455
H	11.07990400	0.93347100	11.31133800	-1.03512267	-0.16678898	1.59914767
H	10.30973800	0.63164200	9.95797000	-1.00706867	-0.14136121	-0.04568061
O	16.74697700	14.80280600	10.69966000	1.73420672	1.41289656	0.53607844
H	17.40209200	15.43706800	11.19951000	-0.99840083	-0.95757155	-0.35268468
H	17.16816500	15.01140200	9.83310700	-0.79925379	-0.52584900	-0.52389956
O	0.94603800	12.09231400	9.48261400	0.61279201	-0.02052505	0.32903089
H	1.37414500	11.92209300	10.37092500	-0.96212434	0.15891132	-0.90447368
H	19.95374100	12.08499100	9.57971700	0.34119862	-0.08494661	0.63668438
O	0.66253600	17.65097400	10.06824200	-0.97895698	0.34288623	-1.46098290
H	0.20401300	18.06574400	9.23695100	0.74881366	-0.81721012	0.97038179
H	1.49999100	17.19263300	9.83493800	0.03947358	0.13330734	-0.26156526
O	6.59160600	7.42379700	11.64748800	-0.36321491	-0.38057131	-2.09712393
H	6.11399800	8.03241400	10.97831200	0.85985765	-0.86079684	0.99922740
H	6.57819400	7.76821500	12.52907500	-0.48804182	0.88736077	1.34336517
O	9.58758400	11.31372000	5.13078500	-0.26539054	-0.26950263	1.10141258
H	9.83008800	11.49308500	4.20776500	-0.07748351	-0.49517320	-0.42261259
H	8.89577400	10.60630900	5.26641300	0.45244836	0.51175456	-0.40785498
O	5.47320200	10.14875100	1.72238300	1.22134825	0.97448903	0.33325804
H	6.03152600	10.97606100	1.48183200	-1.22540148	-1.26155251	-0.33623786

H	6.12615000	9.38493700	1.55994300	-0.05003126	0.38295073	0.14914148
O	8.89175100	15.19919700	9.12934600	0.11706530	-3.19726355	1.00201991
H	9.26028900	14.23277500	8.83614200	-0.60395200	2.49287781	0.54088429
H	8.52508200	14.93035600	10.04023700	0.34661579	0.76793236	-1.29966547
O	17.21993600	10.23738600	14.87582700	0.24098735	0.02370182	-0.55555728
H	17.01416400	11.11977100	14.41559700	0.10470182	-0.80274686	-0.15280249
H	17.79382300	9.69682700	14.22232200	-0.61370198	0.94899749	0.80269242
O	10.45047300	0.29277400	13.00604200	0.41186903	1.45818139	-0.06559559
H	11.11429700	0.74000100	13.60784100	-0.50542892	0.43510425	-0.15417695
H	10.50192300	19.42206600	13.37254200	-0.21839564	-1.71321392	0.11056647
O	7.96978900	0.85359800	11.37841600	-0.16406746	1.44250945	0.49761556
H	8.35749900	1.18349000	12.27408800	-0.45800190	-0.44721374	-1.85319770
H	8.25276400	19.90066700	11.23356700	0.11739396	-0.27868033	0.24540432
O	6.01156900	17.14277100	7.56429300	-0.65320146	-0.15883254	2.14774255
H	5.99785800	16.30908600	8.14675300	0.19703738	0.72068018	-0.92455301
H	6.51069100	16.96851500	6.75050000	0.73341857	-0.30312265	-0.71181117
O	4.71676500	17.66022900	15.82962300	-0.40309651	1.61787994	0.80093625
H	5.08446900	17.38447200	16.70994000	-0.31070886	0.17004850	-0.54587639
H	3.98444500	18.35025800	16.02384600	1.13772136	-1.53655398	-0.12718574
O	17.49365800	7.57595700	15.47169000	1.01028570	-0.51696869	-0.14749945
H	18.47379900	7.44986900	15.36549500	-0.49474969	0.36932741	0.11805372
H	17.23653400	6.63704100	15.45104200	-0.31904501	-0.06205050	0.22015622
O	10.20339100	17.51041600	8.50323900	-1.62309673	-0.22338895	-0.36592139
H	10.99904100	17.66565300	8.99304000	1.11514907	-0.01432425	0.45955569
H	9.84876200	16.60584300	8.78352800	0.31328937	0.56515163	-0.08117514
O	16.31266200	6.58249200	5.49478900	0.56777407	-0.10364566	1.82508915
H	15.89940000	7.44099500	5.39182700	-0.14841690	0.79306389	-0.22310752
H	16.38430200	6.20092100	4.63262000	-0.34897702	-0.62509963	-1.27253290
O	1.86363900	11.94599800	15.23040300	-0.83937195	-0.45152557	0.13020153
H	1.59123600	12.57715700	15.92642300	0.16813866	0.14780375	-0.12479604
H	2.80904600	12.05862300	15.14460500	0.84585760	0.35670322	0.10732596
O	13.46915100	10.46082900	19.57058000	0.62805926	0.61951622	1.40677005
H	13.22052900	11.40209900	19.69140200	-0.34266064	-0.11923804	-0.20294009
H	13.39108400	10.17935900	18.66080900	-0.58801777	-0.07067748	-1.29826624
O	1.50323200	8.09767100	7.12490300	-0.30494773	-0.25388969	0.67606069
H	1.44232900	7.26241100	6.63964700	-0.01761557	-0.14987350	-0.47376203
H	0.57483500	8.17240600	7.51304800	0.62770746	0.15101845	-0.54661074
O	4.78232000	2.96302300	13.55334800	0.11790990	-0.41612948	0.15032780
H	4.18297100	2.33951300	14.01908500	0.00970398	0.29118105	-0.04971722
H	4.26365300	3.31844300	12.81184800	-0.02505826	0.08846096	-0.07134397
O	14.60713600	5.50724000	7.52219200	0.00452262	-0.21348570	0.61993096
H	15.24195800	5.91868100	6.92603000	0.68310253	0.50901901	-0.47774227
H	14.20014900	4.86680700	6.88837200	-0.52761340	-0.13263051	0.09093655
O	16.69016100	5.00588300	11.75636800	0.51337494	-0.01192078	1.43907867
H	17.60683800	5.30012300	11.99095000	-0.16821322	-0.17055833	-0.49845567
H	16.54607800	4.33145500	12.52350700	-0.30469081	0.56109649	-0.94586637
O	4.53444100	10.81307900	9.06515800	-0.15987364	-0.31373787	0.50578233
H	4.19765100	11.61750200	9.58307200	0.73494748	-0.50750748	-0.82796883

H	4.83973100	11.00968300	8.16704800	-0.32065554	0.74460952	0.05074049
O	19.20492400	2.09863800	11.72446400	-1.16823023	-0.01198174	0.16756238
H	19.85900500	1.45797200	11.42267800	1.03488486	-0.17347221	-0.01998205
H	19.61912700	2.89163000	12.08810700	0.43389522	0.20013743	-0.27752776
O	18.22597700	12.36254800	10.05927500	0.41600530	-0.25005011	0.09340144
H	17.89258200	13.22448400	10.38857100	-0.19933069	-0.24352497	-0.19873064
H	17.56844100	12.06383900	9.39151700	-0.12455881	0.41371215	0.25756454
O	14.59623000	5.99305400	14.73424800	-0.29043733	1.87168575	0.00798764
H	15.05357800	6.69007800	14.19545100	-0.44439781	-0.76839869	0.35900125
H	15.03089900	5.16191100	14.61483500	0.57728629	-1.00506376	-0.33088511
O	19.11916400	9.31958100	18.90072400	0.01120534	-0.35194498	-0.08577547
H	19.80753500	9.33404100	18.17334700	-0.04519225	-0.26582299	0.43586755
H	18.82383200	8.37852800	19.05662700	0.43227938	0.15729065	-0.05115064
O	15.22417400	13.81689700	17.10693600	-2.48251292	-1.64261311	-1.28150072
H	14.34643200	14.18369600	16.77620500	1.46868438	-0.16334809	0.75520295
H	15.82712700	14.49630000	17.34126700	0.95871406	1.55821461	0.45628581
O	3.73803700	5.55106600	18.32215700	0.41908615	-0.16729569	0.11131328
H	2.79530700	5.57909800	18.57260300	0.00084613	-0.26739750	-0.53437274
H	3.88865600	5.00478600	17.51228300	-0.50867770	-0.09033062	0.22974754
O	11.90827200	0.74041300	3.11454500	-0.54429247	1.35565920	0.44726733
H	11.25273300	1.51044100	3.09558200	0.84667965	-0.62087403	0.14265098
H	11.75452800	0.31517400	2.24983200	-0.38089431	-0.31829283	-0.48175034
O	13.55902600	12.09224200	10.81959700	-0.51572714	0.08035269	-1.35118371
H	14.28481600	11.50320400	11.13167400	-0.00028519	-0.27024568	0.01478393
H	13.56646700	11.97881400	9.80282800	-0.37029513	0.25956899	1.47047185
O	13.56758100	4.38039800	18.21561800	1.33156264	-0.66819710	0.48619794
H	14.04185200	3.94921200	17.46871400	-0.67820612	0.45214656	-0.20644594
H	14.28950800	4.20608400	18.89942000	-0.81360203	0.42544574	-0.28104163
O	12.44404900	10.25512100	5.85886900	-0.93224034	0.64175893	1.35697570
H	11.50719300	10.41280000	6.17465500	0.84177990	-0.33100251	-0.65451279
H	12.32845800	10.00547300	4.94269500	-0.13325330	-0.20493696	-0.87267267
O	2.34065700	11.02987400	3.00167100	-1.36671644	-0.67665092	-0.29660281
H	1.35435300	11.21116200	3.07537100	1.45743553	-0.28094311	-0.02958858
H	2.34040900	10.09254400	2.65147000	0.07663203	1.13770621	0.39189322
O	1.80910600	15.69386000	19.64997500	0.34875317	-0.51855499	-0.27598504
H	1.98874100	15.33614500	18.73074700	-0.05162985	0.30255893	0.18474503
H	2.34924800	15.10605100	0.23352400	-0.35208467	0.39390219	-0.00610547
O	16.81651500	16.44014500	15.35652800	-1.37083682	-0.01023420	0.69469223
H	16.44182600	16.97906100	16.10886800	0.47915007	-0.33351584	-0.79091056
H	15.98708900	16.00944500	14.97809500	0.69251957	0.19007758	0.20255089
O	12.55570200	1.86321700	19.62177500	-0.69140242	-1.19529936	-1.18459719
H	11.95047500	2.62333100	19.47495700	0.38401269	0.39602097	0.65773544
H	13.18550200	1.95670700	0.33025400	0.43746713	0.79737109	0.89995911
O	17.25020800	17.80240800	4.23286800	-1.21818767	0.48487609	-0.55545924
H	17.05039000	16.88794100	3.85278300	-0.10704071	0.97822273	0.13890956
H	16.40565300	18.39454500	4.06332800	1.52609286	-1.31399864	0.58430942
O	5.37355700	1.17764700	7.40359400	-0.65547875	0.50493211	-0.42239511
H	4.85546400	2.00995500	7.50959800	0.44503043	-0.16459008	0.01030773

H	5.88400600	1.28145700	6.57817600	0.01691345	0.24316509	0.18504357
O	1.86589200	18.54121000	16.51088500	0.41251263	0.06520063	0.91840217
H	1.31617500	19.24516300	16.90337400	-0.29620472	0.38825100	-0.07333057
H	1.57252100	18.36810900	15.58982800	-0.29474341	-0.30933563	-0.24245126
O	9.02871200	14.08723000	5.53205400	1.70452197	-0.59206442	0.02553637
H	8.56891700	13.21159900	5.47725700	0.50061444	0.56815789	-0.08632576
H	10.03924800	13.88623000	5.42297600	-2.02286711	0.32112289	0.06201712
O	16.39092300	8.85639200	17.72822800	0.60685774	0.58139913	0.33227620
H	15.49063600	9.14344100	17.42283600	0.27133181	-0.45561569	-0.13447636
H	16.90688100	8.54587000	16.93721600	-0.47413845	-0.19733164	-0.16196540
O	1.22985800	17.54347200	14.12696000	-0.00039231	-0.46913390	0.68747240
H	0.25774200	17.66971400	14.04654100	-0.30748188	-0.20524231	-0.26831625
H	1.66540000	18.16671600	13.53944700	0.40371120	0.62001699	-0.73198093
O	0.31681800	0.16788000	1.66180200	1.07905552	-1.78791365	-0.21408187
H	0.40441100	19.75099600	2.58368300	-0.12479250	0.14270292	-0.50592872
H	1.00203900	19.66306700	1.09889300	-0.92500535	0.76007619	0.70150645
O	4.93719800	0.99951400	2.53014900	-0.17153146	-0.02940353	-1.28674655
H	4.87979700	0.14588500	3.01171800	0.28545971	0.13722686	-0.50728615
H	4.89573000	0.80597200	1.52980100	0.19540809	0.04728294	1.60598244
O	18.40266200	4.65985900	15.70720500	-1.06971287	-1.09378352	-1.69118835
H	17.94879500	4.15329300	14.92451300	0.73314821	0.90160629	1.49005022
H	19.35420200	4.45882900	15.59805900	0.23176988	0.16541503	-0.21965562
O	14.53047400	0.30963700	13.86645800	-0.07946152	-0.48697751	-0.31046034
H	14.02913300	0.18337700	13.04399200	-0.06185445	-0.05764763	0.01099266
H	14.23791400	19.54756900	14.46922600	0.20561096	0.61713023	-0.29615876
O	12.68036600	15.55562200	6.93682900	0.90243881	0.59575429	-0.68126669
H	13.38811500	16.23937000	6.80666800	-0.43428664	-0.43890310	0.02036974
H	12.46170400	15.70479400	7.86610700	-0.49091595	0.07810810	0.93892105
O	11.73208300	12.87228700	19.56060200	-0.25007686	-1.40890379	-0.54064414
H	11.07344200	12.11463500	19.61099600	0.45283985	0.67365108	-0.03865784
H	11.48140500	13.47026200	0.26650700	-0.20719893	0.60231043	0.38585577
O	0.25305300	12.60336000	6.05791700	1.75824579	-0.36477079	0.13737501
H	1.10969500	12.00542000	6.16709200	-1.49529753	0.40962678	-0.05657628
H	0.41999800	13.27514800	6.75547000	-0.14249899	0.27422082	-0.01600959
O	3.13504200	0.87256800	15.06562100	1.05654164	0.67430847	-0.38015131
H	2.89203200	0.57125200	14.15246900	-0.13581179	-0.59379984	0.27860192
H	2.42572500	0.64345000	15.66449700	-0.75511361	-0.20764669	0.17485650
O	9.28883900	3.51563300	10.86928600	-1.69716165	0.03906146	-0.53028987
H	8.35076000	3.58853700	10.44411200	1.88778461	0.13035839	1.50189470
H	9.24563300	3.77292800	11.82559200	-0.30226284	0.07898029	-0.70213377
O	8.16914100	5.79732800	5.79078500	0.56925327	0.75236726	-0.41340772
H	8.96485200	6.42740700	5.84473300	-0.85067909	-0.99270541	-0.66093354
H	8.18413100	5.30986600	4.92115000	0.20862358	0.72251835	-0.03691022
O	18.33792100	0.54130100	16.82120100	-0.11479973	1.56439607	-1.89434125
H	18.63263100	0.74837900	15.81138100	-0.29941405	-0.38567665	1.97575478
H	18.29822700	19.59409000	16.98043100	-0.12608672	-0.93225920	-0.04548891
O	10.90660400	5.36086700	9.79396300	-0.28895913	-0.38522580	-0.54088256
H	11.24812100	5.65073500	10.64495100	0.18099751	0.31384412	0.51768081

H	10.15566900	4.72366200	10.00189400	0.88051382	0.07336337	0.38986138
O	12.36662500	2.94867400	9.11729800	0.28422348	-1.19020657	-0.42071225
H	12.31970200	3.81328200	9.51396900	-0.13436072	1.17263710	0.24924975
H	11.99634600	2.33759600	9.78998400	-0.30209358	-0.07203502	-0.20544701
O	5.14691400	4.12414700	8.54955900	0.88764372	-1.36086940	-0.11858126
H	4.55834600	4.85244800	8.36227000	-0.69571654	1.06412352	-0.11726764
H	6.04971400	4.40561300	8.17730800	-0.32683769	-0.04799051	0.29103972
O	18.15693100	18.34458000	0.57937600	0.74480167	0.62257443	0.26654326
H	18.87890800	18.96762800	0.94108100	-0.99835972	-0.93175506	-0.32309778
H	18.23945800	17.49888800	1.06610500	0.21472152	0.24936236	-0.01371465
O	0.28947600	13.78262100	3.38284200	0.04040346	0.84105953	1.56013756
H	0.19882600	13.51626800	4.37184100	0.19780155	0.06931148	-1.18276497
H	0.60996400	14.74857600	3.45541000	-0.34674818	-0.88333176	0.02817075
O	7.56388600	11.91998300	15.06966300	-2.01271184	-0.13308522	-0.52435337
H	8.06185800	11.45432100	15.74589300	0.99619162	-0.16497227	0.99967409
H	8.01792000	12.70999400	14.79443400	0.87760660	0.89650104	-0.09655695
O	7.63598500	4.59174000	7.94099100	-1.12715752	-1.93061062	-1.47871724
H	8.06257400	5.31158700	8.38159900	1.02248323	1.59187186	0.94705902
H	7.70596400	4.87827000	6.96645900	0.42460881	0.03798159	0.75759988
O	15.79794000	4.75135200	3.30154200	-0.23793813	-0.42940981	-0.14025473
H	16.76187700	4.61363600	3.24361200	0.05150590	-0.35909556	0.02028719
H	15.41792700	3.85228600	3.47915700	0.37918729	0.56175560	-0.02622062
O	11.64204800	15.32832400	1.02941600	1.30526850	0.36629902	0.42838941
H	12.11790500	16.09133700	0.61911800	-0.64687615	-0.33085202	0.09002066
H	12.34347500	15.05167300	1.71472800	-0.73928817	0.16889944	-0.33397109
O	2.70497900	7.24109500	2.41549500	2.09892791	-1.07472502	0.19874735
H	2.96941200	7.92285100	1.76399600	-0.53048508	0.66297955	-0.44312355
H	1.82278800	7.30641600	2.73424000	-1.87403924	0.46313430	0.37212131
O	2.37349200	5.53640800	10.75003700	0.10451294	-0.30422612	0.68768839
H	3.20520400	5.61008100	11.23687400	0.24890020	-0.18913291	0.70813380
H	2.64498400	6.10199300	10.01718400	-0.19446209	0.30914828	-1.28341711
O	16.46560500	15.47994200	2.99147300	-1.14902653	0.18413748	0.24792881
H	15.57188900	15.09879800	3.22708100	0.88100230	0.32730873	-0.39544692
H	17.02256200	14.71237400	2.78799000	-0.02190268	-0.54707205	-0.08516333
O	18.79552100	2.05492100	0.36815700	-1.18346535	1.79664124	-0.88121364
H	19.39614900	1.40491400	0.04104000	1.07497183	-1.10236636	-0.51117960
H	18.68428200	2.63770000	19.55129400	0.02504381	-0.43752336	1.07694616
O	5.22701400	0.66259500	17.03606800	-1.15604165	0.63171742	-0.40282831
H	5.91622900	0.00870300	16.86443500	0.45896355	-0.41515805	0.15184482
H	4.53372800	0.59460400	16.32218200	0.66658988	-0.13282221	0.35264951
O	16.16295400	11.66071000	8.30128900	-1.66653435	0.75769553	-0.22787063
H	15.48605800	12.31865100	7.88296100	1.06563449	-0.63172749	1.04882980
H	16.85103000	11.66424200	7.58504600	0.38532369	-0.58773090	-0.18953344
O	13.78713900	18.54959700	15.65442800	-1.48160068	-0.24721233	-0.03402153
H	12.80643300	18.38756400	15.73231300	0.84733334	0.15599352	-0.19595082
H	14.05979100	18.75830100	16.57791500	0.20532063	-0.24867254	0.02220935
O	0.55335800	7.42580600	15.47225500	-1.88959886	-0.06913443	0.60485582
H	1.28461600	7.22969500	14.92949000	1.74994323	-0.82785357	-1.75416232

H	0.88221000	8.14862800	16.04438400	0.01459795	0.71059807	0.25983074
O	19.87381200	7.05334500	3.64087300	0.03214565	-0.10426764	-0.04567906
H	19.81961400	6.78917800	4.59967200	-0.12107789	0.35534561	-0.34036737
H	19.01747900	7.48585900	3.47104800	0.23275196	0.03717320	0.20403392
O	11.49703200	9.03062500	13.42024200	0.51363601	0.27969360	0.14137207
H	10.62892800	8.64941900	13.18365900	-0.12263522	0.41080553	0.19809240
H	11.44469300	9.83916300	14.02387900	-0.40979337	-0.88176377	-0.43135543
O	5.83780300	14.18190500	8.26842300	0.30151140	0.73800959	1.17259760
H	5.83596100	13.61266800	7.46740900	0.14052050	-0.33416099	-0.27001895
H	6.66340100	13.87168800	8.70770600	-0.46882115	0.40647398	-0.19230895
O	3.39368000	2.79069100	19.65237600	0.31054192	-1.25587858	0.01197454
H	3.75372900	3.62291000	19.94698000	0.12655061	1.08438474	0.09774920
H	2.60657200	2.99130200	19.10055400	0.20218345	0.14517381	-0.36218105
O	2.42857600	2.77131200	11.59165800	0.36952669	-1.39098157	1.49443767
H	2.31143700	3.70390000	11.37826200	-0.28419621	0.59741847	0.08967785
H	2.28407700	2.65627300	12.59409800	-0.27627200	0.71306587	-1.74866473
O	19.11169100	13.56580900	12.98753400	-0.05775132	-1.49421419	0.77503892
H	19.04948200	14.15159600	12.21877200	0.43515537	0.24313048	-0.35989041
H	19.59442500	12.69980100	12.75560000	-0.22251270	1.17980553	-0.24122190
O	13.14310500	7.13050100	19.34710100	-0.66132480	-1.44943336	-0.88095273
H	14.00005600	7.08665500	19.79521900	0.98970097	0.37244181	0.59002102
H	13.12107900	6.16924000	19.03518500	-0.19761638	1.14550594	-0.28200311
O	19.58933600	14.57520000	15.86254500	0.62309342	-1.07579472	-0.07177223
H	18.86470600	15.14405100	16.09235600	-1.11301200	0.57595924	-0.23873923
H	19.39795300	14.13998700	15.00077200	-0.03242408	0.51716667	-0.07421740
O	5.64588800	8.46135500	9.42767000	-0.75867562	0.76268079	0.91799932
H	5.26377100	9.39218600	9.39989200	-0.53117332	0.04734828	0.69564160
H	5.92459000	8.44645200	8.52466600	1.04076108	-0.86332114	-1.78286537
O	0.83095900	11.34759300	12.44763300	-0.12432533	-0.89340579	0.56891702
H	1.34576200	11.46279100	13.28269100	-0.52627334	0.02161587	-0.26064568
H	0.38351600	10.43964900	12.55289600	0.35986522	1.18270262	-0.10958713
O	6.07265200	7.77073600	6.66788800	0.66809731	0.31854320	0.48948516
H	6.76027900	7.18147000	6.30761200	0.28630817	-0.33532766	-0.01714109
H	5.26947000	7.43376800	6.25699200	-1.12096856	-0.33326815	-0.75060305
O	4.97154100	11.44384100	16.25074600	-2.47106034	-0.49363497	1.61656367
H	5.51818900	10.76605100	16.65306500	0.61993436	-0.43005225	0.52708512
H	5.44892300	11.78298700	15.53534300	1.76128482	0.97453708	-2.06574747
O	10.40573500	0.60919400	17.09973300	0.01674540	-1.07917597	-1.99197849
H	10.76579300	1.03853000	17.83733000	0.85925838	1.18119000	2.02464159
H	9.45361400	0.61611100	17.22714800	-0.71374664	-0.18666497	0.21059300
O	9.24874600	10.69682600	16.83849900	0.04257155	-1.26615688	-2.07828448
H	9.32722100	10.85536900	17.75719800	0.14627754	0.83805901	2.56025871
H	9.30241500	9.71008600	16.87170800	-0.07828854	0.16278083	-0.34557093
O	18.86152800	4.20327200	3.82382200	0.85686378	1.73382081	-0.97390211
H	18.68467900	3.34787800	3.38666000	-0.17924726	-0.25023465	-0.32938031
H	19.31725300	4.81708700	3.14825500	-0.65380239	-1.17650322	1.08447563
O	1.75454700	2.44950700	1.66819100	-0.38366671	1.02882435	0.68407603
H	2.57531400	2.42394600	1.12512600	-0.24735607	-0.46055657	-0.81161303

H 1.17215200 1.66993900 1.54935200 0.23479183 -0.22884123 0.02315436
O 4.07654500 13.13228700 10.27512000 -0.45818294 0.79701819 0.01123003
H 4.45552300 13.31034800 11.14438300 0.15274135 -0.14793897 0.59318664
H 4.52529300 13.78558700 9.69963100 0.25455896 -0.28015598 -0.54808488
O 12.07475400 15.80366100 9.79059500 -0.11162122 -1.03766484 -0.68525209
H 12.43372500 16.61619600 10.14027200 0.37462468 0.89239255 0.30094887
H 12.77107500 15.17074800 10.10271400 -0.05890540 0.12573094 0.30509139
O 8.51111400 18.26367400 11.41872400 0.23018891 -0.77045204 0.31904650
H 9.42267400 17.88584700 11.28926400 -0.66708961 0.31709182 0.46904388
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O 10.74937900 11.58260600 11.65516200 0.51877147 -0.22683083 -0.44785100
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O 1.81907300 3.34982500 8.18850500 0.73022976 0.03318967 0.69460688
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H 16.52091200 16.08484100 3.65465500 1.28172053 0.20984996 0.31717329
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H	10.48617200	18.20237400	16.63480200	-0.42374161	-0.34180116	0.68874429
H	10.19450300	16.99787100	17.73246400	0.14479155	1.31253508	-0.75961776
O	6.66214700	17.97876000	4.98581900	-0.44414403	-0.18993670	0.77464194
H	6.11928600	17.15875400	5.09204400	0.28251609	0.27205392	-0.23149087
H	7.15227600	17.91380900	4.15622100	-0.12425782	-0.19788004	-0.78225172
O	19.74132300	8.70793100	4.99245500	-0.92416490	-0.22899246	-1.07526221
H	19.77513300	8.86969900	5.92413000	0.42986814	0.47693318	1.38666695
H	18.82721500	8.32343100	4.94562400	0.59357165	0.25793829	-0.37571680
O	12.48801300	8.08119000	6.01617000	0.60211337	0.22979232	-0.00888562
H	13.18353700	8.06136500	5.33161200	0.06568589	0.21960747	-0.04406270
H	12.79492000	7.35174000	6.63710800	-0.71254898	-0.17727643	-0.23466431
O	10.06495300	10.82278200	15.52217100	0.38178780	-0.34142675	0.20222319
H	9.87492600	11.76124500	15.43217000	-0.68519341	1.02541968	-0.47567184
H	10.98082600	10.95780000	15.84745100	0.28698208	-0.51632955	0.22964645
O	2.82098700	9.11837800	4.60359300	-1.37652508	0.39845322	0.21137427
H	3.28957200	8.29514200	4.82146800	0.56080751	-0.51737640	-0.05077679
H	1.87954400	8.80093200	4.58021900	0.78771603	0.44538160	-0.02530055
O	7.27939700	16.12352600	18.41036200	0.00290291	1.47346543	-1.44453429
H	7.63267800	16.96936800	18.78620300	-0.37868374	-0.43067515	0.03256538
H	7.57169400	16.21044700	17.45558400	-0.13642663	-0.28594714	0.75255208
O	17.13436100	14.38500500	6.64231200	0.72408602	-0.58883895	-0.08676880
H	16.51860200	13.62710100	6.84834300	0.77229921	0.43511059	0.28678961
H	17.95656200	14.35441300	7.24146600	-1.38094785	-0.02883343	-0.27587760
O	5.99645800	14.31497700	15.35783300	0.15550756	1.58493546	0.34208514
H	6.57331000	15.11091100	15.18143500	-0.12281236	-0.84119814	-0.00002972
H	6.15902400	13.66490100	14.67882800	0.33304928	-0.52375354	-0.56886088
O	11.07044000	15.32180400	1.97615400	0.09211312	0.23772655	0.29055297
H	11.68055500	15.70657500	1.32614800	0.46574057	0.10858945	-0.63869487
H	11.52319300	14.52134500	2.30846700	-0.17258314	-0.23803131	0.10184351
O	15.82699200	13.69336500	12.73236700	0.86928614	-0.93552639	0.84838536
H	15.57789800	14.61636800	12.86682400	-0.38183163	1.36203709	-0.29916363
H	16.28021600	13.57555600	13.61284800	-0.13240185	-0.34359650	-0.51674667
O	12.96138600	4.86760600	4.11960700	0.82316967	0.29847462	0.90354796
H	12.27358000	4.55006200	3.52389800	-0.23837175	0.49441510	-0.38809727
H	13.27121700	5.79558100	3.93695000	-0.71301585	-0.76028202	-0.45966582
O	9.71801900	8.97972000	10.43633000	0.24476925	-1.22456473	0.84714230
H	9.73939300	9.92823400	10.37639300	0.04182959	1.68085071	-0.35503377
H	10.19348100	8.87720000	11.31090400	-0.16384417	-0.43579987	-0.69284670
O	18.52397300	18.40173700	2.71643500	-0.22955427	0.72171067	-2.20106634
H	18.15985300	18.64286000	1.77233800	0.46362137	-0.99951396	1.23533033
H	17.74529500	18.52206800	3.27512000	-0.73840296	-0.04882526	0.93262531
O	0.37009600	0.11670700	2.03446600	0.18796457	-0.64694816	1.51249623
H	0.02264200	0.49101500	1.21573600	-0.38797206	0.38867333	-1.03650183
H	19.58581400	19.59567100	2.43040500	0.64188956	0.13160796	-0.31696797
O	0.96537700	17.80692700	14.08918000	1.25561164	0.68745001	-0.03483383
H	1.62238400	18.52518800	14.38213600	-0.60854835	-1.07657220	-0.29036476
H	1.37238800	16.90078200	14.24635500	-0.43302264	0.60907966	0.10768623
O	11.44086200	16.88260500	4.39285900	-0.31851666	-2.76619858	0.13507475

H	11.48601400	16.02902400	4.98173700	0.12474143	2.29854403	-0.83504954
H	11.20857000	16.44884100	3.52057200	0.21590110	0.50730525	0.46989514
O	12.80749600	16.55160100	15.19122300	1.49471183	0.65918999	-0.86552962
H	11.98740700	17.02827600	15.24702600	-0.97095186	0.55717086	-0.01943530
H	12.76390000	15.73086600	15.66681100	-0.09534261	-0.90631075	0.70724218
O	19.76496900	3.79904500	5.75295200	0.91455256	1.00246283	1.41025480
H	19.18886600	3.27260700	5.24305100	-1.59872038	-1.34015624	-1.82498615
H	19.79833200	3.28329900	6.57962800	0.42640159	0.16880130	0.21541156
O	12.38226000	11.56094300	17.07137500	0.13329793	-0.06266245	0.21445430
H	11.94347400	11.58809900	17.92566100	-0.52834763	-0.96418733	0.66117682
H	12.66158500	12.48833200	17.13896200	0.36418606	0.72886108	-1.17030184
O	10.78785600	18.65924500	14.88756800	-0.51449392	0.52156764	-0.69418160
H	9.96162000	18.48147000	14.32583900	0.36835414	-0.40938139	0.37276397
H	10.97130400	19.56625900	14.56133300	0.43508847	-0.33549324	0.54569283
O	18.27197500	11.19066000	18.71766900	0.89515507	-0.75069738	0.23023409
H	18.77344700	10.33100600	18.60796200	-0.38084128	0.49827899	-0.02192744
H	17.42114800	10.99083600	18.30441100	-0.53983922	0.28101642	-0.57063569
O	2.78111200	3.62530500	9.86361700	-0.73208953	-0.53782647	0.26289569
H	3.38000600	2.81427500	9.98129200	0.03625092	0.91995960	-0.36775518
H	3.17486900	4.22280000	9.19810800	0.36022703	-0.43560490	0.19291314
O	9.58350800	1.49204200	15.60587600	0.90500994	-0.17187499	0.45775211
H	10.31993100	1.21630000	16.23461000	-1.09759098	0.19496146	-0.73963570
H	8.89768700	0.79964100	15.65359100	-0.12652003	-0.47363242	0.09534111
O	0.23326300	13.30702600	18.32605400	0.09478093	-1.64094189	0.69027705
H	19.75228100	14.12689700	18.21764600	-0.50184049	1.15513153	-0.39954393
H	19.55675500	12.62073000	18.57275600	0.13568747	0.35898550	-0.56691609
O	12.74394800	3.55225600	15.92519000	-0.17748010	1.87956860	-1.09184675
H	11.75751400	3.68399100	15.85140600	0.13982456	-0.53639165	0.33889325
H	12.92108000	2.75475200	16.39961100	-0.04764198	-1.50114042	0.35415036
O	2.32490500	15.71512300	18.95465900	-0.03845121	-0.31661370	0.09354587
H	2.95003300	16.30184200	18.48513800	0.10256563	-0.05498419	-0.27897681
H	2.78456700	14.85297300	18.96604000	-0.34628569	0.50222628	0.00828238
O	1.13800700	16.57483700	8.57379800	-0.35171967	1.19674985	-0.88511392
H	1.39698400	16.63200000	7.59892200	0.14240463	-0.41903434	0.82715692
H	0.74294300	17.49059900	8.72202800	0.37542215	-0.68942196	-0.02393724
O	16.81304000	7.41449300	7.35487700	-0.90635696	-0.15397987	1.46357847
H	16.44206000	6.52128500	7.20170600	-0.15623924	-0.33801667	0.20373929
H	17.26204100	7.53380000	6.53832300	0.90852174	0.36281739	-1.70582075
O	9.69416000	11.99181500	4.97594500	-1.38791998	-0.28167514	0.22960871
H	10.48304300	11.79130100	4.47586800	1.00135411	0.29842192	0.02528379
H	9.85163200	12.30112100	5.89477200	0.42595173	0.03122910	-0.39664480
O	4.95011500	5.94201900	11.69131900	1.27440838	-0.03122095	-1.89755548
H	4.01852200	5.58875900	11.58073800	0.29332787	0.07754384	-0.01242338
H	5.48271700	5.82759000	10.80654700	-1.61928092	-0.11828407	1.84498120
O	19.04767000	6.15362400	8.81058400	2.12167240	0.25581698	-1.69496530
H	18.39660600	6.70442300	8.34621800	-1.00965789	0.18100100	0.20118388
H	19.81517000	6.26685900	8.14230300	-1.08841222	-0.57039755	1.66872277
O	11.82128700	12.85547300	19.91221800	1.36922747	2.29976613	0.12565270

H	11.09775600	13.32968100	19.50486800	-0.46433373	0.69035401	-0.18190288
H	11.52211700	11.97015400	19.89385000	-0.88293030	-2.65420618	0.30733698
O	2.78308600	2.43089500	5.30891100	-0.57324078	-1.16769511	-0.51650525
H	3.44122500	1.73805100	5.03618000	-0.18796349	0.67694115	0.53746183
H	3.29919200	3.22897400	5.57052000	0.64374548	-0.07084731	-0.16484567
O	8.71121700	9.38992700	6.25488200	1.43006799	0.00998503	-1.15182898
H	8.25699800	10.03839400	6.79697200	-1.10556576	0.91750509	0.57941330
H	9.30262100	10.00184300	5.72342700	-0.44261193	-0.93288846	0.34415352
O	3.47576700	11.78954400	5.74753800	1.15102771	0.39464164	1.11067707
H	3.25272900	11.03070100	5.22840700	-0.35433844	-1.33507191	-1.05279813
H	2.77656400	12.43669400	5.64396900	-1.07901483	0.78538623	-0.09354981
O	0.47561300	2.49478000	17.51714100	-1.09001554	0.19756874	0.08257860
H	0.05518400	2.06413100	18.30660800	0.20888714	0.12607719	-0.00925013
H	19.73204600	3.09246500	17.15722300	1.15147382	-0.13059234	0.34876712
O	13.06361700	12.97376200	13.98424400	-1.51396298	-0.66103695	0.09939552
H	13.52665900	12.05808400	14.07558200	-0.46524672	0.80805777	-0.35489325
H	13.74164800	13.61601300	14.11508600	1.05102355	0.96470031	0.08931995
O	18.08660500	8.29108300	15.40352900	0.47261431	-1.78687842	1.08948156
H	18.11062600	9.14536200	14.98568500	0.30642458	1.58961575	-0.14122743
H	18.70016700	8.26669400	16.20710600	-0.86852515	0.42842006	-0.85934481
O	4.76387700	0.31048100	5.36744000	-0.27917769	1.08290818	1.55593575
H	4.97201900	0.46773300	6.33215200	-0.17855786	-0.16409983	-0.98860886
H	5.43161800	19.67399200	5.11553200	0.51962611	-1.09727999	-0.46077857
O	11.29906800	19.14473500	6.28862800	-1.37168661	-0.39870276	-0.02312960
H	11.88334600	18.37140300	6.21629900	0.42555097	-0.41635305	-0.08374859
H	10.44024600	18.63939300	6.40210300	0.73329282	0.61801123	-0.04110142
O	1.82669000	5.38282000	1.58742400	0.15645620	1.16683075	-1.04281389
H	1.52166200	4.91172500	2.37137400	0.13090883	0.06959124	0.54536213
H	2.25497100	6.24806700	1.80088600	-0.39917398	-0.77904836	0.27723660
O	2.49878000	8.20058300	0.87757300	-1.46721475	-0.15615779	-1.12299540
H	3.34283000	8.20348900	1.32922900	1.03417212	-0.28877756	0.66081683
H	2.21542500	9.12397300	0.89854800	0.11488329	0.41646575	0.30064728
O	12.86263500	1.67736600	2.24483200	0.52395123	0.01921470	1.07005724
H	13.76492300	1.69257200	2.67791200	-0.11136938	-0.32697420	-0.73731659
H	12.31987100	1.57698100	3.06727600	-0.37028171	0.23322627	-0.17279448
O	10.05980900	12.30427100	7.77338600	0.94390249	-0.67473217	-1.44066292
H	9.94606100	12.21293100	8.72472600	-0.11834570	-0.00782159	1.22693943
H	10.79393700	11.60545900	7.59454800	-0.79238596	0.85790731	0.10110592
O	19.58107000	6.74532400	13.34945000	0.59009745	-1.25529949	-1.21182603
H	19.15925800	7.41897500	13.85780100	-0.43818336	0.89920350	1.48525196
H	0.36969400	6.39354500	13.81460200	-0.35321964	0.31004599	0.10358487
O	19.91160200	18.17597800	11.51727600	0.00791285	-0.35043036	1.90513474
H	0.23742200	18.01985700	12.47532400	-0.49904435	-0.13069140	-1.00807324
H	0.79325600	18.29938300	11.10797400	0.43595042	0.21877135	-0.38812561
O	10.94696000	10.31992100	19.96798700	-0.71816612	-0.28335908	-0.90034853
H	9.99528800	9.99142800	19.97202300	0.22824134	0.03255143	-0.10181528
H	11.29154200	9.91233600	0.77616600	0.53902214	0.02188378	0.86051391
O	15.31403100	12.34211000	7.37187700	-0.86929397	-0.74956191	-0.97535372

H	15.06575300	11.39052800	7.15826700	0.76474435	0.29561994	0.08794030
H	14.56767100	12.52921900	7.98696100	0.02150600	0.63985808	0.63094209
O	4.51370100	8.40606800	12.14694700	-0.39794966	0.58087494	0.28882462
H	4.67435700	7.42916500	11.83289500	0.13988464	0.08374773	0.52178791
H	4.16371700	8.42173700	13.07177400	0.29910360	-0.40238162	-0.56048225
O	4.07358600	19.23428000	19.55487600	0.62064898	1.48537608	1.14112153
H	3.53363500	19.13200600	0.38019800	0.21925061	-0.38082301	-0.49922937
H	4.68127400	19.99477400	19.83361200	-0.40204861	-0.96962399	-0.57250623
O	12.04256600	12.81749800	3.21342400	-1.49666361	-0.12980800	0.22315157
H	12.74606100	13.05755200	3.81936600	0.94296056	0.40077698	0.82353210
H	12.48772500	12.58567200	2.41026100	0.66989566	-0.24401901	-1.28163108
O	18.30110700	6.41690600	5.21335400	-0.73149747	-1.13399698	-0.76335412
H	18.06366500	6.25212700	4.26270000	-0.18223127	0.28042216	0.43784033
H	18.16467700	5.51337300	5.59359000	0.25520603	0.58012984	0.12376468
O	16.00040400	19.00861700	7.45139600	0.41070798	1.93597351	-0.00430985
H	16.87226900	19.51839100	7.35941500	-1.26427192	-0.70774550	0.26090015
H	15.28259400	19.74660300	7.40132900	0.84756454	-1.03184661	-0.10806294
O	18.43836200	10.88076800	14.12496900	1.32397386	0.02031220	-0.26337138
H	18.12542500	11.12073900	13.24080600	-0.87353403	0.08934288	-0.60127189
H	19.40048200	11.03194700	13.89871300	-0.24569112	-0.29080659	0.98638312
O	10.52389500	8.30520600	4.08918100	1.41794385	-0.34589914	1.12077893
H	10.29730200	7.40731900	3.77775600	-0.44518103	-0.13730851	-0.18930623
H	11.21904800	8.08759900	4.82976400	-1.31451292	0.40998176	-0.93240825
O	15.61542200	11.59286500	17.13927100	0.79237078	0.85731108	0.04193735
H	15.04064300	12.30424900	17.47135000	0.06661468	0.02406518	0.33538834
H	15.03093200	10.84459300	17.11472900	-0.84790978	-0.92257716	-0.21609717
O	6.01040100	1.34063300	0.25503400	-0.49570628	-0.91101033	-0.78260843
H	6.86962700	1.75359800	0.39441600	1.23317076	0.29112104	0.14399872
H	5.43603600	1.90634700	0.78710200	-0.81376150	0.30584122	0.66126336
O	17.19490100	13.17498300	15.21837800	0.38446104	1.22225195	-0.33844442
H	17.74769400	12.41948800	15.00440800	0.89555004	-0.77318622	-0.47286146
H	16.49530200	12.73693900	15.68530000	-1.21090159	-0.53981090	0.97196080
O	8.48886500	3.39793400	9.13692700	-0.02650427	0.24523807	-0.78746754
H	8.33748000	3.57821100	8.18288300	-0.34220539	0.16125456	0.07052845
H	8.98259900	2.55772400	9.06995900	0.59699844	-0.36501725	0.45633545
O	16.20653000	6.18962500	16.39267700	-1.77031800	-0.53538110	0.75959649
H	15.25710700	6.32976200	16.77183300	1.69816859	0.11647446	-0.80926589
H	16.66688000	7.01238100	16.18364700	-0.30468890	0.72527164	-0.16544038
O	5.11821300	15.66480400	6.28946700	0.27047797	-1.14397404	-0.27770978
H	5.01282700	15.89617900	7.20953400	-0.13607629	0.75945168	1.06887426
H	5.34109200	14.68298400	6.41484800	-0.07167708	0.75329219	-0.81185528
O	10.11505000	3.98690500	16.23361000	-0.74720487	-1.42668591	0.47088642
H	9.80636500	4.63047400	15.57396900	-0.38938206	0.89752893	-0.40274903
H	9.50415000	3.19284500	16.03863900	1.15001203	0.68542885	0.38792482
O	8.20596000	2.89618800	0.27774500	-1.35536785	0.65856927	-1.56299353
H	7.77973300	3.72182600	0.55506000	-0.37861769	0.50608106	-0.49949103
H	8.75339500	2.78343600	1.02044500	2.00446150	-0.87381848	2.12360233
O	17.67872600	1.86160100	9.22900000	1.14179828	0.93731087	0.58155115

H	18.35581400	2.55804400	9.56519400	-0.93551874	-1.17387171	-0.43083370
H	17.92128000	1.63408800	8.31389000	0.28137546	-0.03397089	-0.30927241
O	6.87411500	17.47445300	1.93294000	1.95143028	1.48443839	-0.55229900
H	5.97244000	17.16924500	1.86225900	-1.75391326	-0.67811524	-0.08047564
H	6.92677300	18.21222100	1.26526700	0.26563743	-0.71415924	0.89908817
O	14.19233400	10.76896800	13.98825900	0.15969228	-0.26544835	-0.32172587
H	15.09527400	10.89663700	13.62323900	-0.14423033	-0.12808168	-0.40661873
H	14.29033700	10.36309500	14.85266200	0.19135685	-0.57298458	0.98257025
O	2.31631900	6.72692900	8.66294900	0.34283408	0.44469545	-1.35047064
H	2.45919600	7.57794100	8.15784500	-0.09383784	-0.73898337	0.89459701
H	2.13524300	6.96539200	9.57747700	-0.31844325	0.34586047	0.42946452
O	16.64447200	18.32493800	14.18883700	1.83495695	-0.91908862	2.09002295
H	16.51912300	19.25971200	14.02725700	0.15784193	1.01360147	-0.03784852
H	17.32606900	18.19891200	14.97199300	-1.41420624	0.43155060	-1.87049794
O	11.41697100	8.20639400	18.08042500	1.79199375	-1.30776453	0.14323709
H	12.35482900	8.01945900	18.36712600	-0.57860795	-0.17232406	-0.64221853
H	11.26590200	8.91933300	18.70708700	-0.87920786	1.21576037	0.56347856
O	6.11994700	3.90162100	3.69704100	0.34579734	-0.92946967	-0.14094634
H	5.36395900	3.51947000	3.16757200	0.48191781	0.43007797	0.20901343
H	6.80288900	3.16883900	3.66814400	-0.65768819	0.70251158	0.16058469
O	11.61246900	8.17726700	15.29593800	0.49278035	-2.86241620	-0.06198658
H	11.67809900	7.94178500	16.26424400	-0.27971308	0.79119474	-0.37497268
H	11.62294300	7.23210400	14.91034200	0.03933298	1.77729127	0.34399611
O	15.27713100	16.35307300	13.35319600	0.12286698	-0.06650793	0.00521418
H	14.53827200	16.60932500	13.93704800	-0.04466257	-0.14357609	-0.08979144
H	16.00292000	17.00866100	13.60643100	-0.81123125	-0.40376403	-0.33097404
O	7.16135000	0.54139800	12.93492000	2.46196843	1.41628542	-0.79386043
H	7.72200600	1.37852800	12.80950000	-1.09955762	-1.57369665	-0.02130024
H	6.41293000	0.88741900	13.41653300	-1.19907419	0.38828991	0.82584633
O	13.44687500	5.79032400	17.21087800	-0.04928989	0.79954466	1.20096721
H	13.08027600	4.97112700	16.82352400	0.10220213	-0.75418418	-0.63384713
H	13.31538500	5.61160700	18.16904400	0.27775232	0.22258894	-0.46036087
O	19.28871200	3.85703400	10.49053400	-2.02406859	0.27966367	-1.12620801
H	0.14074600	3.68961600	10.84152200	1.79933102	-0.00400955	0.36895235
H	19.24790000	4.71003800	9.97842300	0.44911553	-0.31154410	0.17244878
O	9.55140700	2.92812600	12.95250300	0.28394607	-0.77496266	0.93355435
H	9.38752700	2.35159300	13.75652600	0.26802535	0.79334169	-0.78047551
H	8.69378100	3.20907100	12.61355600	-0.31590814	0.03103127	0.11358352
O	7.51333500	13.21734000	3.58986700	2.35525985	0.05655272	-0.28480335
H	8.32928600	12.68867400	3.85859800	-1.09334774	-0.07658909	0.49347007
H	8.07525900	13.93322300	3.10849600	-1.31856961	-0.00028399	0.24430164
O	15.60323700	14.85934000	9.96917800	0.56195754	0.30704360	0.24713577
H	15.86212900	15.36145400	9.11859900	-0.67599131	-0.20514795	0.97866875
H	16.25500300	15.14284500	10.65004200	-0.21287795	-0.10456082	-0.49373057
O	12.78107700	5.93082300	7.50339600	0.46083287	-0.75295253	-0.80551443
H	12.93385500	6.35663800	8.35700400	0.24667971	0.03310828	0.47148402
H	13.56183700	5.36813400	7.25530000	-0.42613806	0.47685445	0.58752239
O	12.16009500	2.05623900	11.65060900	-0.67245268	0.75124665	0.62134308

H	12.91657400	1.61861100	12.14771400	-0.73251780	0.57557226	0.05894565
H	11.71154900	2.73374800	12.25230700	0.91630869	-1.27703745	-0.85723919
O	17.03182600	8.75105200	10.42409400	-1.19485566	0.26835636	-0.18108356
H	16.38417100	9.16426800	9.76853200	1.39536568	-0.70882870	0.53726285
H	17.96548800	8.94846600	10.14764600	-0.66595560	0.35154186	-0.53467810
O	13.98850800	5.44665600	13.71626000	1.03027616	1.75781388	-1.01794314
H	13.77863200	4.78582700	14.36204000	-0.01556810	-0.96668127	1.07876785
H	14.76934100	5.98079300	14.03423200	-0.88260196	-0.87621629	-0.04965546
O	1.85011700	17.56093400	0.98398600	-1.67890843	1.35672106	-0.57878716
H	1.71930400	17.01990300	0.16711600	0.24795922	-0.34326197	0.29967791
H	1.02920100	18.16801600	0.95253600	1.58251032	-0.94778820	0.40980926
O	18.26266700	3.68362700	0.93051800	-0.28651547	-0.82658224	0.76919829
H	17.94712300	3.09107100	1.68994600	0.27433302	0.96043290	-0.72698324
H	17.49363100	3.70107400	0.31229600	0.07141207	0.02824004	0.12090031
O	12.96779300	14.32779300	16.92007600	-1.08064610	0.32342197	1.11510151
H	12.10189100	14.69410400	17.31287400	0.97949860	-0.62751258	-0.30400937
H	13.52996500	14.19190700	17.71765300	0.10608670	0.32748406	-0.35102447
O	13.62260600	8.33490900	12.50773200	0.15895523	-1.01848882	-0.57261227
H	13.59696600	8.93196000	13.27562000	0.54927005	-0.01807838	0.05542378
H	14.39903800	7.72355800	12.58147200	-0.30184700	0.84829712	0.50482716
O	14.35417200	19.16417300	10.93687900	-1.65821445	-0.32398008	0.02782521
H	15.18504700	19.15156900	10.48114300	1.32282678	-0.04614715	-0.44966457
H	14.49843800	19.56840700	11.80122800	0.10892548	0.23105091	0.31411789
O	2.26589900	5.39527800	11.84860400	0.31531989	0.57285485	-0.21276746
H	2.03351400	5.08425200	12.74415400	-0.16947245	-0.36293971	-0.05002184
H	2.35009400	4.64084200	11.21657100	-0.15747183	-0.35272181	0.07469581
O	4.60493700	7.26736300	2.31592100	-0.28795872	-0.93957563	-0.51652150
H	5.07025900	8.11072700	2.41350300	0.47486745	0.25214831	0.54978289
H	4.31796000	6.84831600	3.17652400	0.23239403	0.69487362	-0.21050279
O	17.22912800	6.48118300	2.20003400	0.90502038	2.29565405	0.54629723
H	17.75037600	5.80680900	1.74187000	0.44867051	-0.21730006	-0.29418477
H	17.77164600	7.37094700	2.14623200	-1.28797090	-2.16958196	-0.13378120
O	19.00822300	17.97489900	15.85702100	-1.04841017	2.14090487	-0.10902267
H	19.62784400	17.78404400	15.09215900	0.15400174	0.34225965	0.37400868
H	18.85414300	19.02490800	15.84031300	0.63022914	-1.88504249	0.01713145
O	14.94237300	9.68469900	0.95209200	1.32250843	0.06496291	0.21962061
H	14.14964200	10.19949500	0.84070800	-0.87465297	0.45369130	-0.02276925
H	15.63627400	10.36513400	1.21001100	-0.35566546	-0.86710320	-0.15723257
O	15.63160900	1.24160100	3.16944600	-0.22390671	1.29711356	-0.15315621
H	15.93852900	1.52128100	1.57794400	-0.19070552	0.25447776	-0.41287397
H	15.74580300	0.32228700	3.36004500	-0.12854281	-1.48708859	0.38549305
O	10.90647500	5.27042700	10.17878200	0.72844391	-0.01791944	0.24630777
H	11.56709500	4.81621800	9.63654600	0.58946392	-0.24643135	0.00499540
H	10.12234400	5.11490500	9.67223500	-1.27457793	-0.24355042	-0.60610693
O	17.55734600	19.28735200	10.28407000	0.27994177	-0.26522501	1.51537249
H	17.49059100	0.21140500	10.02352500	-0.20317569	0.91802057	-0.89675538
H	17.96806900	19.45925100	11.17072400	-0.43487816	-0.69493134	-0.74687923
O	13.14550900	8.06654700	9.46725000	0.51086299	-0.57062589	0.69936371

H	13.70064200	7.49033700	10.06248200	-0.46599328	0.65399634	-0.51733017
H	12.77652500	8.73365300	10.09279000	0.14700017	-0.14447869	-0.07959871
O	8.13252500	5.91725600	11.97052500	-0.29800415	-0.04080946	0.14590695
H	7.51148200	6.36055400	11.34353300	0.68888620	-0.18377691	0.05499186
H	9.02566100	6.20977200	11.70791200	-0.26292729	0.06401548	-0.02882091
O	9.20774100	5.81921100	14.56311400	0.27696253	-0.14181466	-0.50448254
H	9.83071900	5.76998000	13.81449900	0.14064286	0.21795031	-0.07744324
H	8.37859200	5.46801400	14.17318000	-0.01369570	0.09618399	0.38290841
O	2.58655700	4.10951900	19.35049800	-0.05173578	0.18505783	-0.35602781
H	2.12603800	4.56634300	0.10124600	0.19835789	-0.11794730	0.01393972
H	1.89091700	3.74693500	18.76830300	-0.06258477	-0.22399908	0.12399304
O	6.56213800	9.80425400	9.95990500	1.06408672	-0.97615377	1.66580920
H	6.76784300	10.31349100	9.15590200	0.20661865	0.70352293	-0.46631424
H	7.42663900	9.62895000	10.45403700	-0.84457288	0.05538927	-0.84077213
O	3.60892300	19.85968000	2.50308800	-2.73767791	-1.50882800	-0.94426551
H	2.59359400	19.83771100	2.29555800	2.10116962	0.03902004	0.59976104
H	3.75312400	0.77476000	2.68171100	0.35808751	1.44822819	0.24097409
O	16.68661900	9.51096700	4.23378500	-1.11879022	0.47909742	-0.44982003
H	15.73524100	9.55353800	3.89370200	1.60994745	-0.10475685	0.39890780
H	17.04477500	10.41467800	4.07629700	-0.33051685	-0.46634497	0.03062678
O	5.23348300	17.91948900	15.18167200	-1.62713225	-1.60135748	0.21961127
H	4.71662000	17.35102800	14.52629600	0.79833139	0.81537451	0.76640456
H	4.88496800	17.52585000	16.07447600	0.50844209	0.92032985	-1.06875787
O	7.31260200	7.60304000	4.36566600	-0.27402024	0.85265163	0.03855440
H	8.13376400	8.04966900	4.70730800	-0.70239737	-0.17372874	-0.48624894
H	6.90694400	8.23632700	3.70600200	0.70746451	-0.42775698	0.57136610
O	2.77796100	10.89465900	2.17626500	0.35979576	-1.24874019	1.43973494
H	2.28258600	11.58490800	1.77351300	-0.80947507	1.63652835	-1.27280152
H	2.38393700	10.87228600	3.07560500	0.45881218	-0.36907043	-0.47141281
O	3.96490600	17.96385000	8.07425700	-1.27563204	-0.19190569	-0.73380774
H	3.13710500	17.86015300	8.62697400	0.88395869	0.18016443	-0.27044994
H	3.62069400	17.88268900	7.13898100	0.33944748	0.10382818	1.08414259
O	12.80599400	10.65795500	11.08470300	2.47120574	-0.34623905	-0.66406988
H	13.72554700	10.39919200	11.45459300	-1.50616066	0.67733926	-0.78548489
H	12.23373900	10.40111700	11.80599000	-1.00118433	-0.12475209	0.95571476
O	0.65949000	7.95648200	11.16234700	-0.98787143	-0.00166513	0.58739883
H	19.77159100	7.74547800	11.60727600	1.53903331	0.09836076	-0.68142946
H	1.25483500	7.40594600	11.70569500	-0.04423791	-0.08872605	-0.05648793
O	6.42021000	9.46062900	2.21938500	-0.21724822	0.19742015	-0.53780164
H	6.96837100	9.29165700	1.39527200	-0.62906699	0.52070720	0.73322396
H	5.83543800	10.24993100	2.05825800	0.88987664	-0.63754768	-0.23573483
O	19.33390200	0.83500400	12.12924000	0.84342562	-0.23088870	0.28318083
H	0.11564200	1.28022500	12.57757200	-0.81039371	-0.61983017	-0.26607237
H	19.52669900	19.84035900	12.12559200	0.15792414	1.19206287	-0.15479568
O	14.00064400	7.58441100	3.29660000	0.40269763	-0.34529565	-0.30421354
H	14.56357300	7.20725500	2.57281000	-0.42107997	0.48643223	0.57059644
H	13.49287600	8.29155600	2.84946400	-0.03830903	0.07187681	-0.12628766
O	5.98857500	18.13959100	11.98942800	-1.68920052	-1.68403004	0.72732663

H	6.54612300	18.75786800	11.53816700	1.28993330	1.39386062	-0.44158872
H	6.43229800	17.84626600	12.80843300	0.24684437	0.35216142	-0.29210937
O	1.81841500	13.19085200	0.56912300	1.04067658	-0.27024287	1.12673066
H	1.67320700	13.90797700	1.23181800	-0.62272904	-0.33933441	-1.01087865
H	1.21501500	13.20785900	19.79549200	-0.32536385	0.80268603	0.13031504
O	19.41469200	1.23351300	19.80443800	0.65433345	1.02054960	0.43577281
H	19.11232000	2.12307000	0.15070300	-0.10027588	-0.39004805	-0.12346586
H	18.59359900	0.79984800	19.51969900	-0.40368830	0.04285190	-0.32305821
O	4.45064100	3.09614200	1.70362500	0.68063319	-1.70078756	1.39587595
H	4.75071200	3.72206600	1.07298100	0.44921660	1.88642728	-1.35191390
H	3.52174900	2.94035800	1.54866000	-1.38342197	0.10758276	-0.13233720
O	0.95928200	16.91391000	3.64588000	-0.69239724	0.70870073	1.28689972
H	1.65939600	17.11796200	3.01112600	0.02506739	0.14111857	-0.57184024
H	0.49000200	17.78141800	3.82902500	0.75992024	-1.02324481	-0.31962559
O	13.88857700	12.81076000	9.62767300	0.28624190	0.43833775	0.93608315
H	13.34908800	12.09940000	10.03319500	0.16945630	0.12162270	0.32184084
H	14.45055000	13.21696900	10.36621700	-0.80475413	-0.56301385	-1.37692345
O	19.04765500	14.72531000	8.72376500	2.34352506	0.22713839	-0.91644849
H	19.86578200	15.34357400	8.65282500	-0.80142814	-0.98645650	-0.21340836
H	18.49014900	15.37200600	9.15744800	-1.40766462	0.51273570	1.08277518
O	11.15183900	7.00622500	12.19251800	1.35012397	-0.46166729	-0.26741139
H	12.15183600	7.18355800	12.19403000	-1.22783129	0.24280078	0.53703129
H	11.13038700	6.40427900	11.40626800	-0.23775360	0.02297875	0.16310655
O	1.79696400	2.79384500	2.47769000	-0.73046667	0.08952218	-1.86052485
H	1.04876400	2.20704400	2.19745800	0.84834756	0.19807940	0.92601085
H	2.11187000	2.61290400	3.35978500	-0.20487649	-0.50443996	1.35221403
O	3.66639800	13.52314900	8.23319700	2.06909947	0.10450868	1.24545028
H	3.00375300	12.89613300	7.96564500	-0.72791988	-0.76805213	-0.23550776
H	4.33129400	12.98659900	8.76929700	-1.04625188	0.45277562	-1.01069424
O	13.12599800	0.63127400	16.32251900	0.59608618	0.06098255	-0.08284763
H	12.96651000	19.99451100	17.04575700	-0.02593548	0.17186349	-0.16274094
H	14.16005800	0.72909300	16.24265900	-1.11510483	0.15393677	0.59570975
O	14.83168800	18.10669100	17.41750300	0.68217284	-0.76882293	-1.19592918
H	14.40239700	17.83787300	16.56519900	-0.02012093	0.35828000	0.76943807
H	14.21183900	18.63027400	17.93187700	-0.73429058	0.00819954	0.34107205
O	19.09317400	4.44970500	16.26119400	0.31738131	-1.08482711	-0.81230949
H	18.26246800	4.11152000	15.81479500	-0.22683578	-0.10281967	-0.18429978
H	18.73428000	5.16168400	16.77011500	-0.32549101	1.09551203	0.84051259
O	7.79680200	19.15103500	15.81971300	-0.20095878	0.45959157	1.42208449
H	7.78883100	19.31029300	16.81915300	-0.14190665	-0.42424674	-1.06907522
H	6.84487600	19.02591300	15.62849500	0.09016159	0.07882442	-0.25894970
O	8.27177000	0.67372000	6.95770200	1.15795535	-1.00904393	-0.26745881
H	8.52135400	19.68001200	6.93987500	-0.95151340	1.50725705	0.21651235
H	7.31453800	0.72342700	7.08915200	-0.16293607	-0.42325937	0.19453943
O	10.05485500	1.07531200	18.56570100	-0.42143002	-0.02766164	-0.86343272
H	9.42230000	1.81135500	18.71403100	0.60863227	-0.29788001	0.55787386
H	10.66372200	0.97343500	19.30901100	-0.13195834	0.29252463	0.30334751
O	14.01974600	1.00283600	13.27187600	-0.81198284	-0.68491074	0.09154650

H	13.79657800	0.75016500	14.18950600	-0.00375671	0.10221540	-0.18178913
H	14.90592900	1.35802500	13.29177700	1.26682597	0.44537560	0.23192769
O	19.63971700	6.62969400	0.06497900	-0.56626886	0.49207815	-0.26930474
H	0.35030200	6.33485500	0.64072200	0.92657243	-0.28126719	0.66982732
H	19.25554500	5.79568500	19.78287700	-0.41761991	-0.53090265	-0.12985927
O	7.56262400	19.25831600	18.65290500	2.10215187	-0.97294496	-0.90873661
H	8.57388200	19.38848500	18.63598400	-1.49440268	-0.05026489	0.33122895
H	7.21386600	19.91078600	19.25055300	-0.28159424	0.78992323	0.75476449
O	2.85729600	5.69398700	16.97974400	0.55385474	-1.48535304	0.90659761
H	2.46649200	6.55304000	17.16762000	-0.29276734	1.09882935	0.03798252
H	2.83922600	5.25439700	17.90163000	-0.14392778	0.18893688	-1.12633749
O	15.81922800	10.87198200	11.87980300	-0.04960036	-0.21315187	0.40679826
H	16.35373300	10.15318900	11.48612800	0.15637839	-0.00679346	-0.11310879
H	16.18045600	11.69753500	11.52981900	-0.14638374	0.10747712	-0.19303748
O	13.92753200	2.78684400	18.81316000	-0.49787347	0.71296289	0.59944572
H	13.12252200	3.07811800	19.29016700	0.32683112	0.24260569	0.35566890
H	13.53275300	2.25568200	18.12432300	0.10891893	-0.90073369	-0.73790943
O	8.26506100	16.21979500	15.53035600	-0.26260756	-0.39644229	0.02787847
H	8.04200200	17.14752000	15.40160200	-0.16872300	1.01265149	0.21714339
H	8.72291200	16.04663800	14.69220600	0.22265716	-0.53954923	-0.30700886
O	11.45910100	13.94693300	11.90689800	1.17348107	0.16399516	0.07058609
H	11.96329800	13.56060000	12.69057800	-0.14985470	-0.09317609	-0.44939266
H	12.18859000	14.47094300	11.47073700	-0.77680954	-0.26579964	0.17282280
O	15.56530400	1.39709300	16.25089500	2.07891199	0.35024061	0.99615720
H	16.32395200	1.05419800	16.90221000	-1.65058409	0.60341791	-0.91149044
H	15.71963600	2.38461600	16.25915500	-0.19769686	-0.98687747	-0.33689362
O	6.90317000	3.29625300	11.35906400	-1.11424397	1.55526638	2.89965539
H	7.39249100	2.98586900	10.64885700	1.72727046	-1.28961477	-2.97201861
H	7.41661100	4.12871600	11.52848400	-0.74551037	0.03052909	0.09406657
O	4.65827600	1.77619600	10.11744600	0.35679097	1.19478886	0.88667289
H	5.36124600	2.39876000	10.47277800	-0.60872496	-0.67940513	-0.46403580
H	5.00899900	1.29944900	9.33260900	0.43213481	-0.44316437	-0.31367118
O	1.17829600	1.83802600	13.93379600	-0.68520579	0.08409802	-0.31726144
H	1.74879700	1.10264200	14.21444800	0.63713051	0.11084015	0.32948756
H	1.40648800	2.66591300	14.39214300	0.32302893	-0.12664805	0.02087094
O	7.62280600	1.36669900	4.05774000	0.13066314	0.73640478	1.54278354
H	6.84375000	1.14164300	4.62227100	0.24567084	-0.08980137	-0.63895279
H	8.17195200	1.81078100	4.77354700	-0.39666777	-0.61405333	-1.00378077
O	4.00381100	10.96345700	10.05057300	-0.16574329	-1.02804010	-1.03075180
H	4.02201000	10.32253600	9.24248500	0.47353857	0.59478442	0.61192653
H	3.02873600	10.85348800	10.24482700	-0.10649138	0.47859171	0.60791831
O	17.19584500	12.04949500	9.36293800	0.71171766	-0.56367245	0.00586834
H	17.52914800	11.54238100	8.61363800	0.76227801	-0.48267222	0.02792988
H	16.41424600	12.35616800	8.89979000	-1.22699022	0.83232242	0.09741924
O	12.88331100	16.23266600	19.87892500	-0.34298718	0.26899336	0.03900131
H	13.44064600	15.77311800	19.22653000	-0.00438589	0.38257708	0.15165887
H	12.71376400	17.15288500	19.52617600	0.47750981	-0.66094878	-0.05261321
O	10.38820900	5.23675500	18.76725000	0.72085166	1.61172613	-1.14408549

H	10.16487000	4.66944400	17.98141100	0.12872516	0.12900942	0.07155209
H	10.70299600	6.11186700	18.32756000	-0.60946706	-1.48939630	0.88891487
O	19.95899000	17.94166200	18.43501300	0.51355464	1.12493428	-0.73263311
H	19.56562800	18.02068100	17.47292300	1.12911969	-0.24017083	1.55038182
H	0.77641300	18.56348800	18.47749900	-1.60042674	-0.92098851	-0.61319425
O	5.92151300	12.99859500	5.96208200	-1.98706680	-0.71611428	-0.85163111
H	4.97988100	12.62867000	5.66927900	1.73573761	0.40662725	0.92711100
H	6.34149000	13.15747600	5.08374400	0.45420169	0.07660006	0.09642701
O	4.60239400	4.22048800	5.92864100	1.20265867	0.11534137	-1.49195112
H	4.76812900	4.33445700	6.87642200	0.50677865	0.24198194	0.50069581
H	5.48392500	4.08954000	5.35784900	-1.63665855	0.16329553	0.90335135
O	3.19988900	10.41919500	16.77733600	0.05990720	-0.35025120	0.45027737
H	2.74327100	11.26981800	16.67214200	-0.06315798	0.46962396	-0.34335442
H	3.87133000	10.60659100	17.46883400	0.07561730	-0.32877721	0.12182438
O	10.78907300	15.81395100	9.14036600	0.23733604	-2.24427951	-1.01697131
H	11.71462300	15.78732500	9.50530100	-0.24041984	0.41995488	0.42317830
H	10.75505200	14.91661500	8.64941500	-0.28662075	1.52471782	1.07464665
O	17.75915700	4.71824800	12.55499500	0.37967737	-0.57108605	-0.36363993
H	18.40216800	5.29983800	13.00380500	-0.16750266	0.35332547	-0.01432251
H	18.33177900	4.31477500	11.83742200	-0.74808840	0.13856216	0.65638346
O	5.73702900	0.03308500	8.28573800	-0.16975098	-0.68006094	0.42854792
H	6.46689300	19.72234700	8.93361100	-0.71654072	0.39627659	-0.56380712
H	5.04770200	19.28461500	8.25836600	0.66296850	0.53362917	0.11365934
O	11.85253800	19.30381200	1.52075200	-0.19449912	1.06776478	-0.16550769
H	12.29136900	0.14200400	1.90498400	0.05515868	-0.59866162	-0.45107528
H	11.84060600	18.65192800	2.22168200	0.22953087	-0.43586099	0.56590527
O	0.09071500	12.02366200	8.35637500	-0.13265000	1.99722125	0.48763815
H	0.56651600	12.31612900	7.54493700	-0.14266623	-0.03747096	0.05419663
H	19.78026400	12.94150400	8.72426900	0.14945355	-1.67474529	-0.60354449
O	14.25179500	13.52958700	4.74395900	0.39445308	0.51182633	0.17453335
H	14.55219000	13.01405100	5.51736900	0.00302538	-0.12630257	0.26929505
H	14.75745700	14.37349600	4.82052700	-0.34512646	-0.12495247	-0.25180984
O	6.64270200	4.42280300	14.75524900	-0.65223128	-0.17839946	1.47723696
H	6.13009400	4.74494300	14.02060900	-0.50134609	0.35126508	-1.16422868
H	6.06012700	4.71602000	15.54638400	1.12294055	-0.09292039	-0.41341672
O	16.98735600	1.44231200	13.52182000	-0.73242131	-0.29178284	-0.79973208
H	17.84997900	1.44939800	13.05718300	0.12067423	-0.23017479	-0.00177436
H	17.14669000	1.63203100	14.44544700	0.20206337	0.10507707	0.72892278
O	3.55339000	6.47958600	4.66507900	2.82321442	-0.81129444	1.70609037
H	2.62503700	6.38318000	4.81498800	-2.07763574	-0.56473103	-0.21361939
H	3.98103000	5.80128500	5.33952300	-0.52293196	0.94427123	-1.45783724
O	14.76103400	5.80115700	0.62814100	0.11651070	-0.26347679	1.43027209
H	14.00908700	5.20445600	0.94089900	0.85384706	0.74051652	-0.12255354
H	15.46802500	5.89067900	1.35664800	-1.13011371	-0.37641952	-1.38888394
O	4.72432200	14.01510400	0.25209000	-1.02291269	2.55760466	-1.99580432
H	5.37716300	13.41263300	0.57074600	1.49920735	-1.63939157	1.30796658
H	3.85564400	13.66363300	0.41359400	-1.07305233	-0.79780206	0.37199461
O	17.44727500	14.41171500	0.58344800	-0.92404428	0.47903909	-0.00093196

H	18.17481800	13.84117800	0.32578100	0.29570525	-0.14077877	-0.42465422
H	17.20385600	15.02513200	19.83049200	0.28830420	-0.31827820	0.32778318
O	1.91193300	8.01512500	17.94051000	-0.47016950	1.69218652	-1.51789397
H	2.20945700	7.95610300	18.84199100	0.59727927	0.01367907	1.57926991
H	2.12405500	8.96596700	17.64826800	0.21990810	-1.30496366	0.18166691
O	5.15668300	8.46498300	15.59985200	-1.69079709	0.64925964	0.33803877
H	4.64823200	9.25209500	15.93192000	-0.10658395	-0.66536954	-0.21645491
H	6.01937800	8.84885000	15.61804600	1.84490954	0.07283881	-0.26554391
O	2.29250200	16.16809100	6.09220600	-2.55244068	1.25833705	-0.85489285
H	3.23069900	16.07225800	5.95185900	1.36594851	-0.42194870	-0.38268239
H	1.85864200	16.62878200	5.27502300	0.87862445	-0.91451208	0.90932548
O	5.36921200	1.76538600	14.54257000	2.80991121	0.23026286	1.13384326
H	5.80006600	2.64099600	14.76401700	-0.44397081	-0.51614725	-0.43872536
H	4.46038700	1.89708000	14.41975900	-2.46771762	0.41195602	-0.46278321
O	15.45205900	16.26410500	7.81618200	0.06633435	1.82988601	-0.56910471
H	15.67195200	17.26221700	7.69542400	-0.33056761	-1.41734173	0.26755345
H	15.95863700	15.81501400	7.11453500	0.29850368	-0.12266737	-0.11900171
O	14.53447300	2.74461100	5.16429700	-0.33888614	0.61867135	0.08549262
H	14.00154000	3.48502400	4.73483800	0.60005109	-0.83463213	0.17485090
H	14.96793100	2.17005500	4.47312000	-0.14129928	0.27015603	-0.37426788
O	7.22773500	6.08243100	9.47079600	0.19565723	0.97489913	-0.72432050
H	7.77412300	6.76577700	8.95222300	-0.34924074	-0.32359631	0.18645890
H	7.82886200	5.32636700	9.44011200	0.01039066	-0.61964096	0.12292514
O	17.82480200	2.15839600	3.77798300	1.03565816	-0.85125514	-0.16967062
H	16.76603100	1.71253700	3.52232500	0.54736661	0.16088156	-0.07604342
H	18.48892200	1.46332600	3.49052600	-1.01971620	0.93216543	0.30449968
O	10.73228900	2.51738500	6.76426500	-0.56924322	-1.20272750	0.17586216
H	10.46139900	1.58015100	6.94979200	-0.05028594	0.74029929	-0.24686778
H	11.34663700	2.65814400	7.49948100	0.70238237	0.45817026	0.42634922
O	4.54000700	16.27797900	1.72165600	-0.79000880	0.81114084	0.41634415
H	4.63232100	15.63369800	1.01008700	0.32551961	-0.98325508	-0.42124753
H	3.69867100	16.71367800	1.48314500	0.14013652	0.23219348	0.22658551
O	8.03210000	3.66045600	6.05915400	-1.41565926	1.01168807	-0.25312710
H	8.69404900	3.05083900	6.37235800	1.26227208	-0.15695286	0.17132587
H	8.44885900	4.55279000	5.89426900	0.45103432	-1.09493371	0.27788676
O	6.49195300	12.51080100	1.26230700	-1.45927362	-1.05731082	1.89766417
H	6.91054300	12.65214000	2.16734600	-0.31429582	0.13511666	-0.22169081
H	7.16799100	12.66091800	0.64943200	1.93330408	0.23334887	-1.74154305
O	16.55654000	16.27690500	18.62741500	-2.18427797	1.29549005	-0.42590383
H	17.18301000	16.18683600	17.90010600	1.00293517	-0.59554087	-0.58055813
H	15.76639000	16.71260800	18.10017600	1.20851030	-0.52873915	1.50710379
O	9.25257900	15.00359300	13.01195100	-2.03253729	-0.11942488	0.18543719
H	8.68117900	14.46884700	12.39802700	0.37423346	0.33433641	0.37257871
H	10.10551200	15.00078900	12.58577100	1.42112540	-0.18122866	-0.84533462
O	10.24398500	13.72013700	15.16041200	1.47728372	-0.54882767	0.63064435
H	9.93173300	14.02089400	14.29486800	-0.76407284	0.43488714	-0.60928159
H	11.21519900	13.59314700	14.97245500	-0.51129758	-0.13343473	0.37065831
O	11.68667500	19.10077900	8.95025600	0.99464105	0.53492936	0.10916240

H	12.49434000	19.19391300	9.51508200	-0.24900646	-0.06863021	-0.41980749
H	11.99244100	19.26516200	8.01232100	-0.40576382	-0.20106775	0.75029440
O	3.95132200	0.15985600	12.16047000	-0.35336112	-0.23630769	0.30693338
H	4.60413100	19.41589700	12.26234600	0.18510039	0.93448653	-0.39412023
H	4.21312000	0.81752100	11.45560000	0.50673969	-0.82333580	0.35468075
O	14.99703600	9.67338900	7.49129200	-0.72366451	-1.91421446	-0.33449746
H	15.34427200	8.85569000	7.02586800	0.35321610	1.05740930	0.51231845
H	14.13666300	9.28363400	7.80618100	0.70559076	0.75947311	0.10838631
O	1.24275500	2.04279600	7.85586500	0.04241114	-0.01823144	0.36244883
H	1.58316500	2.47577100	8.69365700	0.13495930	-0.07138854	-1.36525571
H	1.85019500	2.16635100	7.07495100	-0.07454365	0.21823261	0.77660511
O	19.23325000	9.20617900	2.09368700	-0.46394712	0.37339953	0.80054072
H	19.60558700	9.42881600	2.99378700	0.06837334	-0.60039057	-1.22237588
H	19.84854900	8.74358900	1.50684200	0.49608339	-0.03494035	0.46954954
O	12.21988900	16.44094700	6.95277700	-0.72895263	-0.13287807	0.52146179
H	13.01652400	16.11412200	7.40266700	0.34936723	0.16193296	-0.02030058
H	11.51250600	16.39029300	7.67821800	0.81454244	0.27970074	-0.77935922
O	16.52699700	18.27603000	4.67267700	1.01308568	0.04725424	0.13830636
H	16.82533800	18.53798700	5.57941200	-0.82359121	-0.19006498	-0.75755997
H	15.54890800	18.20310400	4.65992200	-0.22432564	0.18187535	0.22621020
O	9.98722400	5.66262100	6.10844500	-0.50672439	0.07995898	-0.33795763
H	10.89913700	5.37380600	6.21942700	0.35963597	-0.15056120	0.06152818
H	9.81456500	6.25316100	6.86106200	0.14034400	0.27006901	0.27190192
O	7.35124200	11.24785200	7.61227500	-1.02012090	0.07672163	-0.19340673
H	6.75502700	11.76659200	6.97587600	0.39557333	-0.18268148	0.39186954
H	8.15339100	11.79015400	7.68394500	0.51602984	0.36178989	0.10817523
O	17.13070100	0.81831000	18.35497100	0.18304232	0.01468753	-0.24448476
H	17.22843000	19.87696600	18.58136900	-0.16979484	-0.41630724	0.08566076
H	16.60415500	1.17045300	19.11146200	-0.41684574	0.26336598	0.31967765
O	16.41157500	7.38387600	12.88525000	0.04233316	0.13596079	1.20052326
H	16.66082600	7.79539500	12.04264400	0.34669330	0.35913878	-0.23745678
H	16.93665900	7.81253200	13.61400500	-0.69346714	-0.46873592	-0.93401320
O	12.72594500	2.70060000	8.88166600	-0.71848468	0.43202962	-1.36851774
H	13.70490600	2.77669400	9.00232700	-0.00333306	-0.09087788	0.73932918
H	12.26754000	2.32012900	9.64158800	0.58300662	-0.07945339	0.86839647
O	7.56854100	13.46197400	10.96983000	-0.97707243	1.13638094	0.06401842
H	7.06031800	14.31664300	10.72276500	0.53996678	-1.33027855	0.25129029
H	6.93518900	12.92194500	11.51457700	0.20333605	0.45686815	-0.20764606
O	5.35082600	9.63192200	18.68177400	1.27077660	-1.30124262	-1.63198371
H	6.13065900	10.17796800	18.41643700	-0.46876274	0.31160301	0.34331080
H	5.65727400	8.78346600	18.17903700	-0.75538269	1.08152268	1.18324274
O	1.29821300	4.74666800	14.49298700	1.36865157	0.79821450	-0.03879110
H	1.87117000	5.35207200	15.05402800	-0.74779127	-1.00299394	-0.11592698
H	0.50893900	4.53746600	15.02198000	-0.44808486	0.29007166	0.59686645
O	1.54981900	11.11362700	14.02215100	0.05330096	1.05256955	-1.38319412
H	1.85681000	11.75060000	14.69675800	-0.07222322	0.00865998	0.31784460
H	1.61856700	11.70079500	13.20086400	-0.15464384	-1.00584535	0.91483647
O	0.91896400	13.92244100	12.19996500	2.74833152	1.16947276	0.95813582

H	1.45323700	14.46241700	11.55226700	-0.21243591	-0.55249974	0.18943744
H	0.13177800	13.68574000	11.76842100	-2.36257607	-0.81991541	-1.17781578
O	12.07615300	9.76086600	2.40125400	-0.48361756	-1.27655506	0.21704655
H	12.17373400	10.60131500	2.85590800	-0.01087471	0.49570142	0.35084920
H	11.41076000	9.21624200	2.96781800	0.47018611	0.43398840	-0.27618804
O	4.38118200	17.28869400	17.75526400	0.41018717	-2.20285010	-1.38129127
H	4.41351400	18.07332000	18.30001100	0.51822091	0.76220953	1.22140714
H	5.10303300	16.64283800	18.00081300	-0.58671742	1.09152893	0.21046904
O	1.16999300	13.47381100	6.03559100	0.29955493	0.46736932	0.60752052
H	0.40063300	13.27481100	5.46416100	-0.37123910	-0.03176682	-0.46243869
H	1.15731800	14.45422600	6.21230600	0.33762321	-0.80988805	-0.36247001
O	2.83875800	19.86577400	15.12901300	-0.30494645	0.09712808	-0.37130362
H	3.75281400	19.52781900	15.05581500	-0.00801828	-0.10983795	0.12842050
H	2.59272400	19.89638500	16.07565900	0.06965108	-0.22807810	0.31148184
O	0.92205300	6.00521100	4.27847100	-0.78025595	-0.02255519	0.24002277
H	0.28310500	6.74968000	4.36762100	0.53410338	-0.36460116	0.06103948
H	0.42393500	5.27085500	4.72396000	0.57395639	0.26486053	-0.04014800
O	14.98295100	5.42906600	10.73509100	-0.69882057	0.04604001	0.58914449
H	15.79290200	5.93778800	10.63542200	0.60139175	0.14146621	0.07603683
H	14.89617300	5.31026100	11.71316800	0.00937236	0.09081186	-0.36760467
O	15.10347000	12.31597900	2.33441600	-0.21745251	0.59387945	0.02576638
H	16.05690600	12.35918300	2.13736700	0.09688876	-0.21165554	-0.06755050
H	14.98127200	12.93674100	3.08183600	-0.13530015	-0.31530528	0.17962620
O	8.98112400	5.88414300	3.10391600	1.91426037	-0.58993743	0.21282251
H	8.83540300	5.88001400	2.15529000	-0.51797376	0.42188669	-1.08683325
H	8.13694600	5.97047200	3.52919500	-1.21662758	0.40110541	0.49537997
O	15.95620900	4.72685700	7.07257900	0.15753717	-0.57155467	0.94458510
H	15.96649200	3.98996400	6.44963700	-0.37269347	-0.13621051	-1.13095985
H	16.02595100	4.16406900	7.89187400	-0.29252757	0.70925264	0.17618021
O	8.56216800	9.06979800	19.88896600	0.48371271	0.49687620	1.18888347
H	8.07072500	9.56389200	19.22425700	-0.37944519	-0.40554412	-0.62131901
H	8.49931300	8.08158400	19.85985400	-0.27348170	0.12606019	-0.44591853
O	2.44682000	18.42454100	10.83336800	0.12740599	-0.82104153	-0.66137957
H	2.81441400	17.64300700	11.26858700	-0.08520365	-0.58283691	-0.07340103
H	3.03861200	19.10678900	11.21366700	0.03157080	1.06158187	0.39530944
O	10.10827900	3.50322400	2.74176800	0.99008230	-2.68399693	-0.09055454
H	10.01505100	2.76867900	3.42820800	0.18837431	1.27880716	-0.95077231
H	9.68131600	4.30939700	3.02480300	-0.89852465	1.20340672	0.95043382
O	8.50414500	17.74980700	6.96933000	-0.59878070	-0.04868467	0.00487970
H	8.00988800	17.44175300	7.76122700	0.42979630	0.19805113	-0.41486322
H	7.81544000	17.71397400	6.23009100	0.44665086	0.11673552	0.45500593
O	1.55225100	10.70285100	10.90124100	-0.10494994	1.22724214	-0.15249314
H	0.71157600	11.14743000	10.71011500	0.15386004	0.49274758	-0.33205797
H	1.22856800	9.91107500	11.31186600	-0.15263430	-1.75558723	0.61918786
O	8.44733800	6.33926200	0.33361300	0.90378278	-0.30550107	0.29854610
H	9.00993300	5.87914900	19.65223100	0.08087662	0.17979584	0.29745679
H	7.56378900	6.21065900	19.97578400	-0.84136800	0.00165722	-0.31763612
O	2.81768800	15.08845800	10.34234300	0.67223914	-0.76021717	-0.71109270

H	2.26496100	15.57584400	9.68127100	0.26532093	-0.00641103	0.14813122
H	3.31355800	14.40206100	9.75270300	-1.35141677	1.21390046	0.76973422
O	18.87127900	12.81029900	4.43959000	-0.16991222	-0.16931061	1.02319841
H	18.94696400	13.47805000	3.70682000	-0.20895957	0.33857131	0.44870147
H	18.33938800	13.19247100	5.20136000	0.29000896	0.02310780	-1.30690469
O	15.35648000	3.04966700	9.39848800	-1.96841222	0.74134521	-1.38215720
H	16.06678800	2.43554000	9.48246600	1.67474331	-1.20439535	0.24511968
H	15.30816000	3.62186300	10.16188400	0.13080487	0.78723386	0.81575948
O	18.82525400	0.79298700	15.88777500	0.43116315	0.41463569	1.66640525
H	19.23850100	1.20417700	16.71948800	-0.91721616	-0.78582476	-0.72413763
H	19.54400300	1.06928400	15.31706100	0.54519961	0.11358592	-1.33641170
O	2.53086800	7.75053200	14.66746700	-0.40892984	0.06272611	-0.56396247
H	2.44640900	8.71407500	14.62513600	-0.51629516	0.39238572	-0.01522239
H	3.40709400	7.67766600	15.04820600	0.80516757	-0.42748078	0.52549608
O	12.14835100	10.55162500	7.58012200	-0.09942196	-0.67954874	-1.27196488
H	12.04942700	10.38662800	8.51798300	0.11483095	-0.40628326	0.81528543
H	12.14651600	9.65204200	7.11397200	-0.05028597	0.97089867	0.53558680
O	8.78611100	0.17303400	1.71990100	-0.57262186	0.21500906	0.34981628
H	9.74073600	0.12497200	1.71775700	1.02316774	-0.32721376	-0.28185549
H	8.61306600	0.45005400	2.64591800	-0.43546532	-0.02009062	-0.25599870
O	14.51295200	8.81180400	15.95760300	0.43011497	0.11462591	0.30161696
H	14.75554100	8.65684800	16.89533800	-0.00102143	-0.18750679	0.07997281
H	13.74528300	8.23394300	15.84273300	-0.36045550	-0.00718160	-0.19593765
O	16.70406000	3.85387100	15.17936500	-0.46971057	0.29785514	1.27119778
H	16.79108600	4.00095500	14.23331900	0.13433361	0.08625235	-1.10812814
H	16.28889800	4.68635700	15.55851100	0.58438250	-0.36549037	-0.30088540
O	17.82019600	18.60322200	19.99451800	-0.96134741	-0.19794364	0.05498300
H	17.25676200	17.85815000	19.63167200	0.35211800	0.26268576	0.35240117
H	18.68861400	18.42890900	19.57167200	0.62987311	-0.35773771	-0.52244351
O	5.52761300	5.16226500	17.21258400	0.99185281	-0.14534833	-0.52607833
H	4.65347200	5.54662200	17.04470600	-1.06406144	0.12491188	-0.04527288
H	5.40783000	4.25011300	17.53877600	-0.39895764	-0.43208964	0.17807484
O	11.06890200	9.67604300	12.93267800	-0.25736597	-0.82543459	0.82157413
H	10.49482100	10.01806900	13.64959900	0.14123592	0.62989997	0.17095658
H	11.45326400	8.89617400	13.41476200	-0.32985836	0.74849935	-0.64566354
O	10.28292900	15.15432300	17.65919900	0.73122751	0.47788659	1.52527545
H	10.06963800	14.88061000	16.77855100	-0.47148515	-0.52896381	-1.89550459
H	9.60531700	14.71227600	18.20501900	-0.21238964	-0.13290479	0.33402140
O	3.72724700	9.34967300	7.94140100	-0.04770376	0.33395403	-1.72735162
H	4.45651100	8.82533500	7.50549000	0.17432463	-0.00429488	0.38440878
H	3.47979100	9.94708900	7.17037300	0.07816008	-0.49228473	1.00140830
O	2.09733400	13.13881300	16.20630800	0.15184219	-0.12031065	0.40898495
H	2.92271300	13.60556800	16.56810400	-0.85938421	-0.53582900	0.08741115
H	1.44309400	13.01628800	16.95576500	0.58105977	0.62520584	-0.43290143
O	6.09410500	7.93467900	6.88183800	-2.01169737	-0.27468759	1.37803725
H	6.81064700	8.33167600	7.35255200	0.89411362	0.48623774	0.53174433
H	6.38237100	7.87671300	5.97725700	0.64325533	-0.20460195	-1.71816528
O	0.92635100	19.50789300	4.93105900	-0.16139425	0.08608689	0.53664529

H	1.64079400	19.93407600	5.44670900	-0.25480415	-0.00532070	-0.49100040
H	0.72965200	0.07455900	4.16732000	0.37287063	0.30411337	0.00313284
O	0.56156500	15.29455000	14.69073700	0.03370111	-0.59439153	-0.04972094
H	0.46023600	14.82135200	13.83327800	-0.02152155	0.13176698	-0.04401683
H	1.05317700	14.62901200	15.22022200	-0.01927437	0.21462676	0.11974605
O	18.55953200	12.43370200	11.73247500	-0.24245289	-0.15607808	-0.28553862
H	18.32133500	12.16357300	10.80548600	-0.20188869	0.37157560	0.42731308
H	17.77863500	12.96921900	12.00940500	0.25900859	0.12727973	-0.21315425
O	9.17666100	7.51310400	8.12510500	-0.39031263	1.39417159	0.00643887
H	9.57014400	7.98708300	8.92363200	-0.19755733	-0.34347262	-0.59189781
H	8.98639700	8.27656400	7.44398500	0.72501496	-1.11039321	0.71396047
O	19.34355200	14.90681600	2.63768900	0.17319778	-0.47028522	0.33809593
H	19.63068000	15.71579000	3.12021300	0.06077364	-0.03457037	-0.44898712
H	18.60374800	15.12326800	2.04663300	-0.14506424	0.27252385	-0.11446787
O	8.14417300	13.91104600	19.23228600	0.47616326	-0.66669298	0.52561970
H	7.58087800	14.64347000	18.87054100	0.14632093	0.09268333	0.14717979
H	8.27361600	14.20458200	0.16867900	0.03949901	0.11537206	-0.17151319
O	5.02607300	2.39040500	17.76739500	-0.71290126	0.53931428	-1.27031667
H	5.20378300	1.91649300	16.91604200	0.31117530	0.18163589	0.99615233
H	5.65817900	2.18346600	18.46909100	0.36817306	-0.80397486	0.16720222
O	14.95211900	7.98199500	18.75555200	0.24330338	0.74449456	1.74595985
H	15.21629300	8.65363000	19.51913600	-0.83641924	-1.22270252	-1.39982594
H	14.71525500	7.16966400	19.29110000	0.42630911	0.60813638	-0.32312615
O	18.28371200	0.79067600	6.39837600	-0.21601852	-0.07770113	0.88324264
H	19.18078600	0.42764300	6.21295000	-0.60460513	0.35883593	-0.31718164
H	17.88039800	1.28910000	5.65190000	0.70247232	-0.26283217	-0.45383244
O	17.31418800	11.08787300	1.36016700	-0.97961799	1.09637922	-0.51530168
H	17.49498000	11.27032700	0.41633500	0.17655802	0.04138759	-0.05910506
H	18.05192600	10.53872600	1.60528200	0.99693247	-1.01826774	0.56517865
O	12.25261200	4.45689200	0.88321400	0.23151864	-0.09219237	0.07171884
H	11.61138000	4.82099100	0.24374200	-0.28422701	-0.05040949	-0.00748142
H	11.72524900	4.00807100	1.58156000	-0.03898332	-0.09768745	-0.38031431
O	9.97296800	1.07633100	9.89608300	0.09427076	0.62823176	0.57379609
H	10.60778800	0.48769000	9.41785400	-0.04275539	-0.33851401	0.12175225
H	10.46039800	1.35590700	10.71569300	-0.09706263	-0.15534998	-0.53428702
O	17.85953700	16.43203400	10.56030400	-0.11607384	1.47282344	-0.04488214
H	17.46821400	17.35125900	10.42058900	0.14794566	-1.17634020	-0.15663587
H	18.70596700	16.73492200	10.95629900	0.09546058	-0.16567894	0.12580584
O	13.14171000	16.22467400	10.57727300	1.00486871	0.31776977	1.07948206
H	13.39629000	17.00363300	11.18064300	-0.20931805	-1.33079421	-1.16583412
H	13.99241600	15.67153900	10.50400300	-0.48705941	0.76421088	-0.20577244
O	18.39518200	15.30880100	16.94159500	0.40505546	-0.01271676	-0.53299899
H	18.16061400	14.47362000	16.44578900	0.10471803	1.13893754	-0.13604437
H	18.73230200	16.01351400	16.30875200	-0.33591547	-1.30434800	0.54670707
O	9.70761700	17.96013600	10.72450200	-1.23251124	0.24619159	0.54552847
H	9.70807600	17.04764700	10.44108300	-0.17278510	-1.10893262	-0.50340264
H	10.63839400	18.14476000	10.70412700	1.10945801	0.69166415	-0.21939951
O	7.79924000	8.84822600	12.84166600	-0.92532615	2.31691842	-0.70096147

H	7.74243900	7.94952700	13.03713200	-0.63208781	-2.92927752	0.67247072
H	8.73800400	8.95226700	12.90214600	1.33754904	0.64840733	0.01218882
O	7.54104700	19.67384100	10.27020600	1.33908851	-0.20990445	-0.39273506
H	8.03405100	0.53741200	10.29751300	-0.36847675	-0.64881936	-0.00229038
H	8.34777500	19.06473500	10.20973000	-0.72683348	0.44081429	-0.01859729
O	11.08743200	1.29412700	4.37884800	-0.09983532	0.07258148	-1.05925021
H	11.35564400	1.87045700	5.10786300	0.06112811	0.40204775	0.64269353
H	10.99707900	0.42601200	4.79878600	0.09491949	-0.51365373	0.27645483
O	19.21599000	8.41228400	18.01557500	-1.25516278	0.25244748	0.80205929
H	18.95276100	7.94872200	18.84992800	-0.28002301	0.11246322	-0.53529238
H	0.15542600	8.20730000	18.08135400	1.44330839	-0.11001028	-0.44996409
O	9.76011200	11.78100600	10.45613600	0.58568126	0.65700928	0.27221848
H	10.43350700	12.37969300	10.89578900	-0.41190191	-0.47676853	-0.18944058
H	8.91074500	12.25250000	10.59699700	-0.02022873	0.24034313	0.07360169
O	19.30938900	9.61188600	9.33631500	0.92554461	-0.93774439	-0.13872549
H	0.12205200	9.06430500	9.45410300	-0.68944009	0.07139972	0.18674623
H	19.65627100	10.40398500	8.89006400	-0.16208469	0.77492213	-0.23657321
O	8.77224700	8.12580800	16.03875200	0.49854763	1.24963438	0.71915535
H	9.20980400	7.43897800	15.53553300	0.01026302	-0.84856978	-0.62650482
H	9.53910300	8.73053600	16.22181500	-1.00141818	-0.23090862	-0.10279179
O	5.66062200	5.41425100	0.38408900	0.18450745	-0.39323667	-0.28097647
H	4.94866400	5.76971500	19.82105600	0.22301580	0.03278409	0.16502522
H	5.71419700	6.01744300	1.15139000	-0.58288532	0.13224010	0.17761544
O	16.61342600	4.51844100	18.60248400	-0.89591537	-1.00017321	0.27703910
H	15.68387600	4.11339400	18.64485400	1.44940332	0.96565317	-0.07990273
H	16.53610600	5.42948900	18.25791500	-0.38083468	-0.38907907	0.00227466
O	1.98301800	19.81444500	17.95218700	0.94372502	-0.85575743	-0.47401503
H	2.90228000	19.67699600	18.32825300	-0.69096284	0.17106432	0.26984850
H	1.81400800	0.74807400	18.04860100	-0.24642840	0.97855642	0.13697513
O	3.44492300	15.47763700	13.72472400	1.03817372	-1.03350529	0.89805033
H	3.89864600	14.75868500	14.25389700	-0.02219655	1.17545251	-0.33059667
H	2.75404500	14.93285600	13.33960600	-0.68870985	0.05399481	-0.50357097
O	13.92726400	0.88135800	7.04121800	1.03707468	-1.39383915	-1.75009536
H	14.01485900	1.49284500	6.25653500	0.07555200	0.08685806	0.44630761
H	13.43305900	1.36074800	7.67905000	-1.06317651	1.04699933	1.35163238
O	0.32056600	19.39732200	8.36461300	1.08217557	0.60793148	-0.02141684
H	19.86018200	19.58127800	9.18951800	-0.78742241	-0.12098419	0.52072937
H	0.94802200	0.18386900	8.35597600	-0.61396058	-0.67910852	-0.45471727
O	12.46356200	18.89205600	18.95311000	1.65785371	0.49336345	1.50096010
H	12.33610300	19.02105900	19.95265200	0.14355589	0.20615055	-0.66411542
H	11.61860700	18.59372100	18.64469700	-1.83528401	-0.46945625	-1.06671570
O	4.75107000	5.22415100	8.53780900	0.57092649	-0.22901605	0.01670228
H	4.12236500	5.96996400	8.51156200	0.07003252	0.29447656	-0.10056624
H	5.68329800	5.57620600	8.59892200	-0.66339891	0.05042844	-0.00351297
O	4.37108300	14.10966900	17.43483500	0.21022028	0.11032744	1.81070907
H	4.68968000	14.09090600	18.39269300	-0.68273395	-0.28158852	-0.58650315
H	5.16691500	14.40610900	16.98156400	0.33213637	-0.19884864	-1.02170743
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O	6.98001900	16.02191700	16.41939700	-0.42422590	-0.92608678	-0.71421111
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O	0.89056200	17.92224900	7.82868900	-0.00188623	0.57953477	1.27011167
H	1.59016600	17.73046900	8.50924400	-0.38871184	-0.14321669	-0.97872557
H	1.12047900	17.46350900	6.99693400	0.27860685	-0.49508841	-0.42492344
O	10.51624500	10.28681600	14.28315300	0.89346875	1.72969290	-1.63735707
H	10.38608400	9.69660400	14.98272400	-0.90294057	-2.01098135	1.94375026
H	11.23157100	10.85066700	14.64181700	0.00494865	0.27748766	-0.34037631
O	11.44529200	17.30009100	0.10010800	0.68448353	1.53792706	-0.57403713
H	11.33016500	18.02625500	0.76311000	0.08100676	-0.23003706	-0.26392776
H	10.87692800	16.58807400	0.38960100	-0.76561918	-0.78810439	0.57792438
O	17.45543100	14.42253300	13.67480500	2.75346966	-0.74019320	-0.52832608
H	18.42301000	14.67365200	13.44232600	-1.37361066	-0.66500673	0.70137421
H	17.08389100	15.27142700	13.52879700	-1.26903216	1.67213584	-0.13100291
O	16.09953700	5.64428700	4.98763200	0.67344757	0.84707321	-0.01190471
H	16.52957300	6.44573600	5.42773700	-0.49299672	-1.18846965	0.18830105
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O	5.21234900	8.47292800	5.79804100	0.85394996	-0.33198482	0.80982949
H	5.73820400	7.87201100	6.40105200	-0.56970213	0.41188121	-0.16840243
H	4.95759600	7.82386500	5.13407300	-0.24336502	-0.05290307	-0.56479019
O	15.99255800	2.10298800	0.93974500	0.60207848	-1.23734054	1.50129666
H	15.45342100	2.87338600	0.73262800	-0.08943226	0.52777209	0.20138135
H	15.89545500	1.86302900	1.94605300	-0.49791115	0.69649561	-1.44557607
O	2.21646200	19.49524500	19.67562100	-0.06009357	0.95210501	-1.34410423
H	2.54828400	0.40594000	19.40814200	-0.05166198	-0.81304263	0.56140531
H	1.81987600	19.19030200	18.81299600	0.42627325	-0.01097370	0.82335438
O	7.03191800	19.76735900	15.14826400	-0.73893006	1.01256535	-0.13292378
H	7.59745900	0.57131700	15.26757900	-0.10586930	-0.69007974	0.23713668
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O	13.32523700	19.55291700	4.32652600	1.15523864	0.46788323	-0.03639017
H	12.71113600	18.84717900	4.07183200	-0.25733956	-0.15863342	0.25072435
H	13.77704500	19.21987000	5.14034100	-0.05137470	-0.00679921	-0.04323246
O	9.77218200	18.35696000	17.87258500	0.38309748	-0.31212826	-0.56585133
H	10.35698400	18.05909500	18.60485100	0.02732179	-0.19126930	0.21637207
H	10.01425900	17.71629100	17.14956300	-0.11168243	0.67047377	0.46039996
O	2.22559000	0.28061100	6.83093300	0.22884394	-0.36093294	2.35638261
H	3.95463700	1.59200700	6.40290100	-1.57361874	-2.46454854	0.78379406
H	2.05569400	0.17998800	5.91524500	-0.46306329	-0.32208680	-1.95629080
O	8.73860500	10.01985100	1.34737400	-1.06037916	0.01386959	-0.07789418
H	9.66858200	9.83900500	1.48131700	1.53109473	0.22012356	0.11807293
H	8.31620400	9.29496800	1.82987900	-0.29678724	-0.58245474	0.10827057
O	11.17310000	16.66766700	15.88981000	-0.22893409	-0.99878894	1.21170147
H	11.36905600	16.56806200	14.93285600	0.39481648	0.16592953	-1.04395933
H	11.06672400	15.71240200	16.15128700	0.30168613	0.62858050	0.50228546
O	16.02405900	9.68099700	2.72791100	0.53210673	-1.31124962	0.95977588
H	16.28185700	9.02555900	2.05223500	-0.32630888	-0.04262684	0.09124964
H	15.73353600	10.43046500	2.22237800	-0.24753678	1.42248409	-0.74532708

O	3.86637900	4.16534600	8.07183600	-0.03309409	0.45770690	0.19412662
H	4.12058900	4.05006600	9.01733800	-0.14161438	0.06378376	-0.46652344
H	3.71053000	5.13033600	7.91787200	0.10207899	-0.51842757	0.27162572
O	11.30921900	0.90934600	17.23643500	0.10704584	-2.03961628	-0.11299602
H	10.85647300	0.03029600	17.48446800	0.34783081	1.02399031	-0.20807544
H	12.23706400	0.57840500	17.01768500	-0.52576329	0.45054193	0.34731822
O	18.62408400	11.74286600	15.31739100	1.25232263	-0.28873360	0.47392775
H	18.39271700	12.60929600	15.81761900	-0.41187411	-0.27500001	-0.47332535
H	17.95627200	11.37822900	14.73261300	-0.72765597	0.27676408	-0.22579985
O	12.15135400	3.65534200	14.14993000	-0.57200707	-0.84682625	-0.45868137
H	11.45644800	3.01854600	13.79478300	0.96786182	1.21204380	0.51350412
H	11.83445400	4.57348100	13.99581800	-0.50683252	-0.26208580	-0.06314397
O	4.63435100	19.89548900	16.79169500	1.08821389	-0.55174090	-0.21656651
H	5.53361700	19.72100600	16.35094100	-1.15200034	0.33816178	0.29896495
H	4.88831300	19.89699400	17.75061400	-0.05351168	0.29302693	-0.34454455
O	19.08483700	15.62135300	5.84527700	0.27968606	-0.96701086	0.92118333
H	19.33866900	14.69087300	6.09036300	-0.18478325	0.52970618	-0.74535148
H	19.92362200	16.12787200	5.65755300	0.05728219	-0.15738791	-0.12057081
O	16.64994400	7.81635000	6.63276100	-0.72561824	0.54560897	0.49459633
H	16.27541900	7.61143400	7.53385700	0.53519189	-0.33229233	-0.43189082
H	15.93728900	8.39620100	6.26726800	0.23982866	-0.19856045	-0.32615577
O	7.75633900	12.44931500	3.66126000	-1.52164051	-0.41782500	-0.85731279
H	8.19521500	13.16934200	4.14324000	-0.02063178	0.60920308	0.40438314
H	6.90290000	12.80660700	3.27793900	1.40294631	-0.27966237	0.51412681
O	2.16064300	4.25176900	12.42973300	1.04554905	-0.16276085	-1.46389239
H	2.04819900	4.72864400	13.27858400	0.17304455	-0.03575879	0.38801666
H	3.08688500	4.32551200	11.99671600	-1.22452233	0.24701876	0.80032331
O	1.95094400	3.41319100	6.07783800	1.05691234	4.16790924	0.39513671
H	1.68598800	2.56866800	5.92281200	-1.47621314	-4.25478058	-0.65535192
H	2.16199000	3.47929300	7.02158900	0.07151341	0.09131905	0.07377039
O	12.38291900	7.63802600	2.12556900	1.42910608	-0.55530100	-0.72699990
H	12.40718000	7.29694000	3.03655000	-0.26654163	0.03571425	0.28824223
H	13.34184200	7.37990800	1.84643600	-1.17421760	0.61309440	0.06967491
O	4.46325000	6.39904900	0.90504300	0.03502968	-0.71014180	-0.01010649
H	5.27573300	5.77073900	0.68835400	-0.50018088	0.85480031	-0.01918591
H	4.86018800	7.12500700	1.41882900	-0.05145093	0.38453930	0.28208394
O	5.39529800	11.24631800	5.57231600	-1.88181879	-2.10398957	2.49557162
H	6.04150100	11.51478800	4.96168400	1.93288371	0.35176417	-1.56867735
H	5.44574500	10.22315300	5.70488500	0.13821817	1.72231194	-0.72963455
O	2.98303100	11.32547800	7.62427700	-0.02593876	-1.33090831	1.20717912
H	3.37986000	11.09000300	6.77890000	0.00231264	0.48331976	-0.60648807
H	2.73742000	12.26438000	7.62543500	0.00809138	0.92346970	-0.79959702
O	19.07792100	2.75642900	15.16875700	0.67055501	0.89793666	-0.63968678
H	19.81580700	3.38861800	15.30423500	0.00703709	0.40153134	-0.27283856
H	19.25237300	2.14381800	15.87820700	-0.58862425	-0.96565555	0.69713246
O	14.63030200	17.41825300	10.83783200	2.29035945	-0.70725532	-1.60102513
H	15.39305900	17.05287200	10.24007600	-2.04214904	0.56360287	1.02125279
H	15.11890000	17.53524000	11.67944500	-0.20286910	-0.10752623	0.66131118

O	16.97487800	10.02486200	13.81535000	-0.09448786	-2.56078052	1.47517907
H	16.81693500	9.09834200	13.47982500	0.20089757	0.98192059	0.66458889
H	16.84146300	10.51123400	13.02769600	-0.34330918	1.77869968	-1.84740331
O	8.24244300	19.01199700	3.22158200	-0.33907841	-1.89850989	-1.45182329
H	7.76613600	19.69683300	3.67446500	-0.30907986	1.21732319	1.14944245
H	9.19778200	19.10412800	3.23290300	0.48996983	0.38693137	0.46369426
O	10.90362900	18.96946100	10.70542000	0.98803742	-0.60843441	1.26370269
H	11.88688100	18.99116500	10.62966800	-0.63780286	0.01600319	-0.31535798
H	10.56834900	19.35304100	9.90432400	-0.28901357	0.79360259	-1.01622701
O	19.45790500	2.45966900	18.66795200	-0.35146426	1.93798651	0.30462741
H	18.71875600	3.08478700	18.98884200	1.11179778	-1.10577597	-0.52998559
H	19.11284300	1.57515100	18.74244700	-0.72256784	-0.82044384	0.22739387
O	17.02868800	9.22662000	18.64613000	-0.59554392	-0.79203560	-0.92471019
H	17.40258600	9.73351800	19.38641900	-0.38727239	0.46387305	0.75047860
H	16.09492900	9.46745300	18.38946700	0.76190749	0.22702577	0.45451944
O	11.50922600	1.55068000	4.10792000	-1.34579550	1.93403544	-0.65649922
H	11.91093700	0.83956500	4.56621400	1.00157466	-1.71596989	1.18249230
H	12.27652700	2.04799600	3.79292000	0.03618867	0.12019882	-0.40467155
O	10.53862400	11.25311300	6.70082200	-0.36906679	0.19534246	-0.62188668
H	10.17793800	11.10650400	7.57719800	0.04049719	-0.15151789	0.71159641
H	9.86431300	10.88247500	6.10259600	-0.11211309	-0.12564496	-0.23224308
O	15.75098500	6.35613300	14.95178200	0.39618115	-0.64069464	-0.76340196
H	16.50281900	6.96256800	15.01019000	0.03557803	0.12589484	0.25911225
H	16.20309800	5.56046700	14.49002500	-0.70060108	0.83005406	0.74985004
O	1.91404400	14.92560900	15.25839100	0.16643873	0.17875291	0.92652603
H	2.80834500	15.24651400	14.97381900	0.01921928	0.11320339	-0.05057286
H	1.91055600	15.08550500	16.24096100	0.07619117	-0.32032945	-1.02964050
O	11.99324000	5.27382700	6.40090500	-1.08317929	-2.18266906	1.20669910
H	12.18544100	5.29428400	7.37938600	0.08668770	0.22165050	-1.11070905
H	11.49432900	4.36608300	6.38370000	0.85701764	1.81307297	-0.27829410
O	13.10120000	11.04165600	6.10563000	2.81184227	-0.23492828	-0.62411907
H	13.64450100	10.19358000	5.83742300	-1.90012861	1.30761695	0.42703977
H	12.14327100	10.99352600	6.20967800	-0.61230870	-0.77867526	0.07450413
O	3.92102600	8.49371100	13.33344400	-0.19931141	-0.63275969	-1.10792350
H	3.26484200	8.08203600	12.69156700	0.41788637	0.15880459	0.28243714
H	3.52111100	8.41535100	14.21552800	-0.48767192	-0.16636061	0.99486980
O	5.95665800	0.40634300	19.28844100	0.04119365	1.71111752	-0.39875043
H	6.41866700	19.57782600	19.52005400	0.74588404	0.39584472	0.07306516
H	6.62136900	1.15650300	19.06953200	-0.69516400	-1.78008923	0.31736086
O	11.84494900	15.59808400	3.16415000	0.13102475	0.20508469	0.20925147
H	11.92353700	15.11829400	4.01964300	-0.11827199	-0.06295195	0.40676465
H	11.02257900	15.29629100	2.73892400	-0.21968496	0.03074648	-0.46031523
O	16.68948600	5.57053600	2.34659600	-1.34045454	-0.78914276	-0.89174206
H	17.46602600	6.12570700	2.43212600	1.22873761	0.73563579	0.00937251
H	16.42445800	5.49413100	3.27840700	-0.26472609	-0.40337931	0.84160757
O	16.84596300	18.58859600	3.44509200	-0.01608681	0.05545828	-0.19088043
H	16.55920200	17.94151100	4.10914200	0.10989315	-0.19042674	0.27250085
H	16.71230100	19.44832400	3.87949200	-0.07174524	0.20085475	-0.11514690

O	2.04748200	11.04680300	12.23795600	1.59115636	-0.74587686	1.94477892
H	1.27818200	11.42549500	11.86254700	-1.34459246	1.10265436	-0.81418812
H	2.04488000	11.32066300	13.20278600	-0.44168062	-0.32174421	-0.83679004
O	8.70388500	6.32102000	5.97535800	-0.24273088	0.01641433	0.29591690
H	8.03269200	6.44969500	6.68891300	0.47092426	-0.11844457	-0.36426399
H	9.23062300	5.55141300	6.27161200	-0.22253488	0.15096335	-0.13740480
O	11.55864600	16.45370700	13.36132800	0.12044607	0.07302872	-0.94928621
H	11.11819200	15.73936600	12.83610400	-0.50153821	0.14503116	0.45089681
H	12.48322200	16.26481800	13.09830800	0.36282780	-0.06294568	0.28142394
O	3.39453700	2.89901500	2.96837500	1.25486770	0.22630958	0.53632554
H	4.27133100	3.17414100	2.52245200	-1.06285750	-0.56694979	0.66110556
H	3.56300900	2.91427700	3.95117500	0.09312699	0.01070519	-0.88209869
O	14.65556500	13.51766800	17.12059600	0.60078850	-0.57662505	0.52590677
H	15.19220800	12.78558800	17.56380300	-0.43526608	1.00202527	-0.38579500
H	13.93145800	13.04216100	16.66805500	-0.13695557	0.17425321	-0.35604390
O	6.17040300	6.54166800	7.58032000	-0.16569201	-1.23380405	1.77474040
H	5.92438900	6.77601200	8.53052100	0.38448869	-0.07236522	-1.00806182
H	6.21299200	5.52692800	7.69148300	0.00984811	1.18716476	-0.82464232
O	11.88710500	5.93794500	17.61641900	-0.64302346	0.25951992	0.42169615
H	12.71636000	6.38055800	17.91128200	0.08510089	0.35145041	0.21123633
H	12.23880900	5.55195600	16.81243300	-0.08104441	-0.57260708	-0.72262157
O	1.99784000	13.80503600	7.17211200	-0.87841344	1.37972855	0.83795880
H	1.37622300	14.26906100	7.85631200	1.07545827	-0.72672062	-1.27095712
H	2.43292400	14.53109500	6.65332100	-0.17969045	-0.51987590	0.48523443
O	10.66054600	3.02455600	18.72264300	-1.27502148	-0.31593851	0.36322295
H	10.98004900	2.21256400	18.27047000	0.44779387	-0.04244600	-0.41663542
H	11.33830400	3.69515700	18.67400000	0.70228314	0.48568491	-0.00710250
O	7.81891000	18.63827900	0.38573500	0.45584523	-0.51067072	-1.56196274
H	8.65355500	19.05947100	0.11581500	0.02515385	-0.30415048	-0.49880516
H	7.68696700	19.08557700	1.20321300	-0.44955371	0.48735020	2.06445861
O	18.27585800	1.44460500	7.12586000	-0.63977084	0.92602452	1.63056021
H	18.40217400	2.37098100	7.53658100	0.16022623	-1.36767537	-1.34736531
H	18.77494400	1.35459700	6.30887100	0.76041434	0.58024890	-0.70626155
O	4.27137000	19.83095700	2.95346500	0.26717194	-0.09361783	1.16586566
H	4.75463500	19.44357500	3.74103500	-0.50960244	0.65951981	-0.81907991
H	4.10370000	0.76821300	3.21881300	0.28824901	-0.24575743	-0.34303266
O	12.44856100	13.65558100	19.72395500	-1.21221962	-1.17999180	-0.10271589
H	13.03099900	13.32217600	19.04886600	0.97722627	0.04871539	-0.71366851
H	12.86601200	14.28016700	0.28418900	1.35103898	1.58564087	0.86068193
O	1.95957700	8.37774600	3.23735900	0.07318969	0.65237877	-0.43051484
H	2.18619400	7.44359500	3.25432400	0.40498169	-1.23812284	-0.43123941
H	1.46013700	8.42051500	4.04924800	-0.64131864	0.42943138	0.99496242
O	16.91815200	0.58903000	10.86608400	-0.76075841	0.30976182	0.55924867
H	17.60811600	0.12357000	11.34459200	0.67553668	-0.14592156	0.34803113
H	17.00815200	0.29487300	9.95960400	-0.01838099	-0.29945143	-1.03514981
O	10.49997000	6.10728400	0.27691300	-0.52652302	-0.37971034	-0.76158100
H	11.22582600	6.54824300	0.73428900	0.60575272	0.49135124	0.22337741
H	10.80207600	5.92745700	19.35023100	-0.02130715	0.13328576	0.68358650

O	13.56125100	6.15934000	4.22606200	-1.41879745	-0.36543840	0.15368923
H	13.17077400	5.62984600	4.99063300	0.74349537	0.78230768	-0.62923544
H	14.52241900	6.22044900	4.33931200	0.28036873	-0.59519688	0.55039135
O	14.29822700	9.36407200	17.37161600	0.44705847	-0.26500363	0.69562083
H	14.49567100	9.77588700	16.50973700	-0.38898407	0.23632909	-0.34992503
H	13.59487200	9.88789000	17.82116900	-0.05351595	0.15478635	-0.09357258
O	13.72552500	17.30972900	17.55567700	-2.64391180	-0.23555859	0.08977625
H	13.17238700	17.27876500	18.41749200	0.97645570	-0.14788886	-1.35830137
H	12.97811500	17.21728100	16.84775400	1.04986448	0.07254911	1.40293448
O	4.25558300	1.14413800	9.61714900	0.50053677	-0.76447972	0.14165646
H	4.81321300	0.75100700	10.35862000	-0.55429945	0.31667345	-1.35206687
H	4.38047200	0.59185700	8.79117800	0.10725026	0.51040398	1.34222848
O	7.75462000	2.60644900	18.33691000	0.59190882	-1.28062530	0.55898050
H	8.48481000	3.08368700	18.74725500	0.35560204	0.28979132	0.53699346
H	7.18120800	3.26721600	17.97312700	-1.06706972	1.29281552	-0.65902720
O	0.76010100	5.19789300	9.19963700	0.78428460	-0.43300166	0.54869028
H	1.21401000	4.33774000	9.47120700	-0.87034886	0.09884941	-0.51863717
H	1.41301600	5.82483100	9.55227400	-0.03295157	0.54934192	-0.33852321
O	8.11548500	3.37615000	13.64029900	0.79603628	0.23775222	-0.17974297
H	8.55311500	2.97276200	14.43316900	-0.08398446	-0.10359000	-0.04397778
H	8.80830400	3.42161800	12.93645900	-0.34632212	-0.11585891	0.53217131
O	3.47149700	12.96333200	2.27435400	0.39503037	-0.14901253	0.16568840
H	2.71576000	13.51676100	2.08966900	-0.81562690	0.95724482	-0.70391557
H	3.11122800	12.59054700	3.09214900	0.38701322	-0.72469295	0.52592450
O	13.68312400	19.56697800	9.56947800	1.73640592	1.61808228	-0.82233280
H	14.51913100	0.05183000	9.23498300	-1.51605247	-0.61162189	0.15999261
H	14.15237500	18.89643700	10.10603500	-0.04335090	-0.88631688	0.38324734
O	16.22866800	6.67344800	9.23480400	1.27571296	0.06755651	0.38084038
H	16.43529100	7.26305700	10.01479000	-0.41201459	0.02702316	-0.12837138
H	16.99268000	6.05489600	9.30724200	-0.50837300	-0.00420012	-0.32179370
O	13.40225300	2.01555800	10.93815000	-0.65698935	-1.05249703	-0.33234901
H	13.95158100	1.88249200	11.73296100	0.29003919	0.31331141	0.31402885
H	13.43414000	1.10000200	10.52544900	-0.07102906	0.67255549	0.17746122
O	17.85144200	10.71414500	8.32104500	0.93202286	-0.19059440	-0.44952585
H	17.94173200	10.86998700	7.35737100	-0.42722213	0.65246437	0.24096556
H	16.99209000	10.99475800	8.66939400	-0.61180776	0.05560513	-0.01875117
O	13.81191800	12.39074700	12.27592000	-0.74114471	-0.60964361	0.56306750
H	14.80000000	12.26131600	12.27385300	0.07059134	0.07337978	0.14409813
H	13.51474500	11.75076000	12.97628800	0.16597869	0.65783410	-0.43102429
O	1.74606400	15.32315300	19.67195900	-1.78499123	-1.14121174	1.08765084
H	2.32726900	15.54120600	18.96749900	1.34808594	0.35761561	-1.63666599
H	2.01833200	15.88215200	0.39819400	0.39480866	0.64362817	0.57767938
O	12.99895100	3.37403600	2.13402500	-0.39317914	-0.57039967	-0.92455368
H	13.34400000	4.11882100	2.62496000	0.38414230	0.82698507	0.23231354
H	12.99011800	3.64075300	1.17613800	0.01907314	0.04234904	0.75720424
O	16.94439700	17.33666000	18.89248800	0.45119186	1.41025439	0.16290526
H	16.87732700	18.22537600	19.35658500	0.67596067	-0.64657855	-0.66222689
H	16.23142600	16.89864500	19.34816900	-0.65253915	-0.92339522	0.24982042

O	13.88013400	5.68884900	10.12333500	-0.71506567	0.05592433	-0.00713089
H	14.67034300	5.84041700	9.57166300	0.09810370	0.02168338	0.19442348
H	14.20750700	5.34676900	10.99352300	-0.27686780	-0.15316854	-0.18921166
O	11.99278400	0.66338300	7.28490400	-1.69586261	-2.62426741	-0.42702477
H	12.18321000	1.56548500	7.24899100	0.79165172	2.52673952	0.10502467
H	12.75885000	0.17137600	7.57131700	0.70105965	-0.09562974	0.31783970
O	14.39484600	4.80412200	12.66963700	-0.76833836	-0.23086713	0.50127806
H	15.26614100	4.39116800	12.63586600	0.32822799	-0.23612123	-0.11082476
H	13.82006300	4.11965800	13.10858600	0.40585171	0.48542124	-0.58052093
O	0.24725800	5.47746100	0.85360200	2.44205872	0.67168655	1.26124006
H	19.53423900	5.15728500	0.31208600	-0.98593209	-1.40826417	-0.85637677
H	1.07956400	4.90084900	0.95864200	-1.86515444	0.74535570	-0.37787614
O	18.61045100	9.18326200	4.37111300	-1.51042558	-0.34882802	-0.03464819
H	17.74586500	9.52951000	3.98338600	1.07863340	-0.23910309	0.28315875
H	18.27163100	8.44476600	4.94034200	0.43737207	0.65578400	-0.31275038
O	18.30854000	16.44096600	16.53903400	-0.10043775	0.43524471	0.95844485
H	17.33564600	16.42394400	16.32173900	0.19258052	0.03291497	-0.03253763
H	18.25845300	16.77868300	17.47743400	-0.13102393	-0.20051777	-1.13372035
O	14.46825500	8.92001200	5.07923200	0.62850488	1.18599605	-1.64871415
H	13.82685900	8.25029400	4.80770500	-0.58951542	-0.66296303	0.17153412
H	14.66813200	9.35339200	4.17015000	0.24339103	-0.73060865	1.41116673
O	19.60803600	1.74885700	4.59443400	0.20781103	-0.83586181	-1.11211020
H	15.35534300	1.66913000	4.39083000	0.04626498	1.21255227	1.76863371
H	19.09009700	2.15859600	3.84789800	0.29765325	-0.48188864	0.52212282
O	10.43012800	2.18744800	11.92437500	-0.25135343	-0.99033608	-1.32292261
H	11.37454300	1.98130400	11.67562900	-0.40093529	0.32752927	0.06051202
H	9.91808400	1.68279800	11.20328000	0.86829734	0.96840671	1.02112539
O	14.83250300	2.70593000	8.17331000	0.46253434	-0.12445936	0.02696950
H	15.46686200	2.95646100	8.89133600	-0.31894810	0.06966918	0.25939972
H	14.07965600	3.30324600	8.28420300	-0.27310093	0.12937499	0.17544793
O	13.42252600	8.68420900	10.01278100	0.11435524	1.55190372	0.81553794
H	13.04929300	8.26051200	9.25195200	-0.36885177	-0.66183860	-0.89608500
H	13.92691600	8.03193200	10.50443300	0.08900015	-0.75861044	0.15489219
O	7.46844900	3.63599600	9.72455000	-0.01207636	-1.03969375	0.76835107
H	6.83082600	3.23631000	10.37647200	0.53181623	0.29466079	-0.75248224
H	8.10138100	2.88613300	9.52005800	-0.17118834	0.39187145	0.40569074
O	10.97120800	6.27165700	13.82528300	-0.74993229	1.35841819	-0.04957327
H	10.77423200	6.58788000	12.90206100	-0.19145582	-0.36531638	0.81831263
H	10.35019900	6.82089600	14.40599400	0.80767492	-0.83984243	-0.84789683
O	2.50626100	4.67370600	19.00363500	0.45597290	3.33280051	1.15867223
H	2.93387200	5.35692400	19.64624800	-0.79845313	-1.33330770	-1.41552689
H	2.78419600	3.84429000	19.38206900	0.48405436	-1.67415355	0.53061003
O	2.03829900	7.25482000	11.80009700	0.01384160	-0.23974347	-0.20425910
H	1.35127600	7.75834500	11.34292400	-0.34895499	0.76165185	-0.13068549
H	1.69823500	6.34537900	11.77856100	0.24640286	-0.36606598	0.32104347
O	1.51553800	19.52047900	3.66856400	0.66679481	-0.16730092	0.52477017
H	1.17980500	19.46869300	2.75780200	-0.59575895	0.12100018	-0.16423032
H	2.48842400	19.63051400	3.50503900	-0.22141972	-0.13980377	0.03505656

O	17.83400000	12.47927900	3.23627100	-1.83786192	0.20254910	-0.03887183
H	16.83005300	12.60405100	3.35207500	2.13866643	-0.30299185	-0.09976028
H	17.91963000	11.75245700	2.58134600	-0.10187478	0.03940501	-0.04016565
O	8.92900100	17.55726400	14.53641100	-1.34809149	-0.29375048	-0.10399168
H	9.45740000	18.25006300	14.08902000	0.40953222	0.21420316	-0.05033184
H	9.53478400	16.93802100	14.98683500	0.26538402	0.34320749	-0.05054464
O	4.96428200	10.02459500	9.01510200	0.75760741	-1.02383121	0.69977798
H	5.89137000	10.20233100	8.77518800	0.11805496	-0.03352685	-0.09401616
H	4.40476800	10.69026500	8.59652000	-0.72057825	0.75306828	-0.66126508
O	18.20361100	10.63668400	0.76884400	-0.54201824	0.15107559	-0.12184057
H	18.25115200	11.37025600	0.11149100	0.56383964	-0.08665792	0.65232182
H	19.12462600	10.32439400	0.97451500	-0.03379203	0.03411997	-0.37776594
O	6.44054700	15.38181500	6.92898300	-0.45684465	0.49601261	-0.33015221
H	3.52993700	16.81096500	7.54346000	0.13125859	0.30538693	-0.48947462
H	6.16490000	14.63031700	7.50386300	0.10705591	-0.16923828	-0.28338615
O	12.01326400	13.16351200	10.23702300	-0.18635210	-1.09313087	0.34079623
H	12.18630700	14.11365300	10.17594700	0.15620430	1.07273793	-0.28347373
H	12.69928000	12.83449600	10.86611700	0.00811319	-0.08838924	0.00581750
O	18.65899100	4.86839500	10.98575100	0.21530253	-0.91821106	0.16198104
H	19.28348900	5.00549200	10.23206400	0.16068716	0.38150520	0.05498163
H	18.95755200	3.96093000	11.26667900	-0.26805183	0.54805489	0.16219384
O	3.37632000	5.12336100	16.52763700	0.32497136	-0.74899508	0.09462703
H	3.13112100	4.98798000	17.48871000	-0.37061457	-0.00516152	-0.08733661
H	3.42934300	6.07877100	16.42202900	-0.25211044	0.77735860	-0.11078577
O	2.48712800	19.14228200	10.95833500	0.38655320	0.57008194	0.15502240
H	2.89793100	19.97090000	10.60988000	-0.26691512	-0.56956452	-0.12252727
H	2.85773000	19.10290000	11.88020100	-0.40248787	-0.09953723	-0.17668551
O	14.97881800	7.36654000	1.21100700	0.22023306	-0.26860641	1.37264177
H	15.42351200	6.56802400	1.62318600	0.11321507	0.48408493	-0.17730977
H	14.82178700	7.10348200	0.31153000	-0.22142027	-0.25013813	-1.50905127
O	7.67012100	12.41464600	10.30354700	-0.28215540	0.05579297	-0.00002129
H	7.35430300	11.86399100	11.04212800	-0.11283002	-0.01976981	0.00655160
H	8.40962000	11.85847200	9.95095100	0.16625617	0.15069460	0.31314337
O	1.97217200	11.68442400	19.78717600	1.98382188	0.05812692	-0.49057248
H	2.82074500	12.04305700	0.23336200	-1.64832522	-0.63582610	-0.84937184
H	2.24871600	11.34891100	18.84165600	-0.55773270	0.44901812	1.53550226
O	17.81660700	19.89532900	19.59936900	-1.49189435	0.57387851	-0.84884329
H	18.53877400	19.73879400	0.20973800	0.82414730	0.20966195	0.96324313
H	17.20489900	0.57501300	19.98231500	0.60369280	-0.42867648	-0.02058279
O	5.91014500	5.61813400	4.55410400	-2.00837976	-0.04503633	0.45032834
H	6.27915600	5.39376400	5.41747100	0.68423935	-0.03116846	0.38448683
H	4.91837000	5.62468900	4.81771900	1.20752617	0.01712996	-0.78114943
O	18.24413500	16.04933900	2.52812700	0.38660517	-0.78937260	-0.96604696
H	18.46320900	15.90485200	1.56986500	0.18279457	-0.33323054	0.36090213
H	17.95983900	16.96055400	2.47611800	-0.32554601	1.00325630	0.52338165
O	17.69662900	16.59851100	11.34157200	-1.20813606	1.09052154	-0.41834029
H	17.57733200	15.65648200	11.26718000	-0.06515338	-1.35454564	-0.24814935
H	18.59504500	16.73186100	11.60461300	1.39491526	0.13218158	0.52597027

O	1.23648100	16.42446300	10.78998200	-0.53713981	-0.30203757	0.11634405
H	1.66288200	15.52770700	10.93465400	-0.19824207	0.56013218	-0.35444051
H	1.87634800	17.08511200	10.48679300	0.46189103	-0.01916363	0.25226127
O	8.65824900	6.41497500	11.51361300	1.10352282	2.15136478	-1.35044568
H	8.79864000	7.44437300	11.42033800	-0.38324721	-2.26121948	0.43259485
H	9.25943100	6.09232600	10.77607000	-0.31269069	0.02866988	0.69269137
O	0.12569500	0.28868200	1.30669400	0.04134649	0.18362673	-0.02346914
H	19.90770900	1.25365200	1.40354200	0.44498848	-0.62882415	-0.08962734
H	0.99750400	0.17751900	0.83116700	-0.72010486	0.23901181	-0.15403493
O	8.75797400	14.69364200	5.26624900	0.05293121	1.05948656	-1.79072440
H	7.94366600	14.86139500	5.78195400	-0.10241783	0.01950977	0.10536911
H	8.63666700	15.33969500	4.45740300	-0.02167636	-1.22462551	1.69308090
O	16.69476700	3.99685600	14.25390100	-1.24263208	-1.09559484	-0.73612399
H	17.54938700	3.57794800	14.41080600	0.67272954	-0.28277208	0.44481554
H	16.07015000	3.21868600	14.11880600	0.55734176	0.89051392	0.27420520
O	14.01860800	19.88714800	16.75498600	0.43594662	1.60801763	1.87156882
H	13.77425400	19.62352800	15.90065800	-0.63850180	-0.51539533	-2.71895773
H	14.09729300	19.03799200	17.21099500	0.02403614	-0.60150618	0.61687052
O	13.91197600	4.39214900	16.23762900	-0.80759357	-0.68787912	1.17747437
H	13.35939500	4.00280000	15.54604700	-0.21929692	-0.35951234	-0.51484781
H	14.53444500	4.96883800	15.82227000	1.07708254	1.22240609	-0.94110771
O	10.20207600	14.18921700	12.38091100	0.63706994	-0.31820887	-0.44999170
H	9.74571200	14.51812300	11.55900500	0.35867315	0.03266029	0.37817436
H	11.02998100	13.76497400	12.02660500	-0.84327772	0.16375924	0.07169440
O	7.40091100	0.27959500	7.45030400	0.29255253	0.66755791	0.91527546
H	6.78667400	19.61111100	7.81079400	-0.08270661	-0.13969747	0.11508080
H	7.53715200	0.01456200	6.54777600	0.24275528	-0.12551260	-1.11226644
O	15.43834600	2.59260500	17.59051900	-0.51583466	-1.37452565	0.90045989
H	14.68733100	1.96206600	17.75578900	0.93263596	0.01526204	-0.33078122
H	14.98955500	3.28356700	17.08745400	-0.21112115	0.68158464	-0.74059472
O	14.84491800	1.73982500	13.47161300	-0.15305667	1.37286383	-0.41817708
H	14.08180000	1.37579000	13.96315100	0.86690115	-0.65985492	-0.00176951
H	15.69111900	1.25018100	13.53348500	-0.40369931	-0.77970554	0.35843255
O	14.27000100	6.85223000	18.22533200	2.27325322	-2.33990884	0.20648158
H	14.31814600	7.71906000	17.79232200	0.28347298	0.93174924	-0.55083034
H	15.09564000	6.30170800	17.90636400	-1.91055802	1.62785939	0.62163971
O	6.21972100	16.30992900	19.24496300	-0.11214133	-0.61767935	-0.05994529
H	6.80040400	16.99199500	19.58915700	0.46521731	1.07621431	0.17968285
H	6.53148100	15.54646200	19.79634900	-0.37087730	-0.38438931	-0.22198334
O	17.48015600	0.93429100	16.73448000	0.31306018	-0.10007778	-0.39943781
H	17.47549100	0.29908200	17.46121800	-0.11306826	-0.19051030	0.32473822
H	16.75158300	1.57176000	16.92215700	-0.11241718	0.09502043	0.20143916
O	13.97238600	15.13746300	13.14976800	0.09800645	-0.04587312	-1.58328618
H	14.00129000	14.24294900	12.71371000	-0.22294666	0.37946899	0.55521141
H	14.10523500	14.98001700	14.07440400	0.22582609	-0.44188484	1.20271590
O	13.60975300	0.60320200	19.88836700	-0.87477970	0.17028807	0.84092393
H	12.90007100	0.68786100	0.58523400	0.10885530	-0.62051306	-0.68841459
H	14.23105100	1.23933700	0.26700700	0.84408430	0.13988259	-0.04937908

O	10.79774500	14.06727900	17.21173100	-0.40476791	0.34662469	-3.12561980
H	9.94782400	13.95954900	16.69232600	0.59920133	-0.17733075	0.96199097
H	10.54165700	14.08619200	18.12476000	-0.65948102	-0.26602362	1.65665276
O	12.30303400	16.05899200	10.14923700	1.67171474	1.05238901	-0.97580935
H	13.04137300	16.54036700	10.67293500	-1.03559857	-1.00405677	-0.94139293
H	12.59842700	16.27507000	9.16128800	-0.66828255	-0.42022550	1.69708066
O	3.57466300	1.77883100	13.77667900	-0.80583280	0.71458823	0.57221558
H	3.30027900	1.91495500	14.72533400	0.06832969	0.02708045	-0.99830289
H	2.97070700	2.35201800	13.22332400	0.36981664	-0.45833987	0.90621676
O	7.00010800	3.86207100	7.12009800	-0.10578899	-0.43422300	0.53768867
H	7.15338000	3.70119700	8.10225000	-0.09395535	0.38629026	-0.51499587
H	6.44812800	3.08476800	6.91618200	-0.08521526	0.05243996	-0.32582927
O	9.36940600	1.33551100	9.09103700	1.01281630	1.03874582	0.26899911
H	9.92187300	1.80283000	8.41368400	0.07935657	-0.17188296	0.60922123
H	8.76527000	0.83519000	8.53986000	-1.17306151	-0.72896245	-0.77646692
O	0.12357300	2.36783300	12.51562300	-1.56097476	-1.25549380	-0.28412722
H	0.74863500	3.06538200	12.43904000	1.52747949	1.35010659	-0.20906764
H	19.72973300	2.46174000	13.39560000	-0.22493110	-0.11137487	0.65887468
O	10.34554200	18.15391300	6.91258900	-0.17092634	0.32396498	0.29310463
H	10.25252300	19.06832700	7.27549100	0.09276613	-0.64024656	-0.28491146
H	9.58496200	17.59602400	7.27032100	0.12974023	0.71891361	-0.03258152
O	4.60020700	10.72421700	11.50112300	1.69880997	0.02603053	-0.01193653
H	4.91233200	10.43358000	10.57702400	-0.84731066	0.20827226	0.15860058
H	3.65570800	10.93119600	11.55755000	-0.99730521	-0.04881921	-0.12779029
O	17.62612500	13.70553800	10.12037800	0.80039028	0.57169370	-1.37371846
H	18.47146400	14.03536500	9.65199400	-1.16974322	-0.37778061	0.69535406
H	16.94443500	13.86767300	9.41264100	0.36197972	0.18266692	0.63616732
O	13.88761700	15.85792900	1.36665300	0.73352829	0.03813079	0.14508348
H	13.26038500	15.98371500	2.10590700	-0.31772389	-0.09605938	-0.10363978
H	14.30459600	16.75088500	1.22858300	-0.20337993	-0.40449478	0.01878464
O	5.86340700	3.10052700	1.36371800	-0.69736201	-1.28973858	-0.60535940
H	6.11764800	2.15758300	1.28038700	-0.48185079	0.05870717	-0.17592613
H	6.61512900	3.38414800	1.89965200	0.51081149	0.66472173	0.59682667
O	2.30169700	18.07620000	16.70966100	-0.02309447	-0.25036059	0.35727342
H	3.05989200	18.69211000	16.58332600	-0.08539763	0.12772779	-0.13904819
H	1.67833300	18.16869200	15.96057000	0.35415078	0.29935482	-0.08966206
O	7.68328400	16.16706700	3.09031700	0.17836699	0.48176801	0.25979803
H	6.72038000	15.97693300	3.11478200	-0.00427046	-0.08757438	-0.16940062
H	7.76708500	17.15206700	3.18960700	0.01667213	-0.17052816	-0.07802166
O	2.33866100	5.58321700	2.57739900	-1.11180231	0.53323167	0.00745782
H	3.19525300	5.75313200	2.17366000	0.94182136	0.01230646	-0.49598349
H	2.48069900	4.91120400	3.24934400	0.29126104	-0.54438116	0.06167100
O	1.95111500	10.42986000	17.33815400	0.93843385	0.84428136	-1.14006254
H	1.11612700	9.98818400	17.48761400	-1.15234360	-0.39006453	0.02618892
H	1.78071500	10.98442100	16.50806800	0.15990098	-0.33661035	0.86169392
O	8.47729900	9.80234800	4.93267000	0.80347603	0.10528504	2.08586286
H	8.15434400	8.88243500	4.86870300	-0.08015889	0.32803364	-0.79787601
H	8.33766200	10.28482100	4.12224400	-0.41600302	0.20306285	-0.83224025

O	16.81016300	8.32160300	11.52410800	-1.34020939	-0.00500863	-0.68717363
H	17.46979700	8.91227600	11.16891300	0.73760010	0.73689729	-0.41353702
H	17.30052800	7.82675000	12.19768600	0.51082104	-1.05420329	0.51109528
O	3.82546400	16.22666000	5.73878300	-0.99184782	0.58571303	2.37532828
H	4.05840000	16.15607800	4.83927200	0.72566489	-0.36574548	-2.23910725
H	5.61516600	15.73587400	6.47804400	0.33562425	-0.30849432	0.44021398
O	11.27210000	19.78365900	1.77011200	0.92544442	-1.45958213	1.52484149
H	11.41024800	19.59528700	2.76064700	-0.37067095	0.60584918	-1.91155691
H	10.52851100	0.40551400	1.72732800	-0.30112705	0.69982378	-0.18839065
O	1.66558800	13.78195100	10.85833300	0.44959768	-0.43087834	-0.36637439
H	0.92842700	13.35009400	10.38859700	-0.36312593	0.02661372	0.20759826
H	2.36502600	13.60140400	10.19037700	0.30493936	0.42934349	0.38502088
O	11.90873300	14.34120400	5.64294400	1.28605964	-0.51551894	-1.28235847
H	12.26869400	14.93299200	6.30203200	0.33097366	0.85878313	0.80039113
H	11.01466000	14.17881500	5.89202100	-1.64941756	-0.22469130	0.42180446
O	7.45927100	6.37484600	14.06626400	0.35000833	-0.46172366	-0.24019985
H	7.82512500	5.55254200	14.45045900	-0.27808051	0.02951661	-0.13308432
H	7.76706700	6.28588300	13.12337200	-0.19695635	0.26916773	0.62629641
O	17.31993100	0.31584200	14.11263300	-0.35137027	-0.34781073	0.36653921
H	18.21652800	0.07108000	13.82712400	0.05576038	0.20204536	0.10556978
H	17.34655200	0.38914800	15.12378700	0.18698052	0.07992247	-0.71213842
O	1.34573000	8.45797100	6.59637600	-0.80892765	-0.10118286	0.24047961
H	1.44431900	9.40507800	6.49793000	0.53719427	0.90526606	-0.25919180
H	0.49651600	8.45705500	7.10010700	-0.06878282	-0.42907921	-0.05615789
O	13.57464600	4.11409300	19.27825200	-0.59435043	2.16718741	0.37731073
H	13.74645900	3.32188900	18.80623100	0.41143310	-1.39672304	-0.77124515
H	13.44634500	4.80001000	18.55780400	0.08813218	-0.99170269	1.03825645
O	1.59358800	11.90107600	4.66099200	0.69225694	2.06702591	0.41224196
H	1.36642300	12.81997900	4.29844000	0.27302236	-0.95562961	0.42926055
H	1.07842300	11.30734500	4.14540300	-0.88249260	-1.09703144	-1.12099615
O	16.13156300	11.99249500	18.73694800	-0.14574177	-0.96332220	-0.77608107
H	17.02335400	12.29631700	18.57489200	0.76200826	0.39716844	-0.32666355
H	15.89765200	12.36593200	19.57616800	-0.42653371	0.48066542	1.37752505
O	1.17515600	7.52727900	18.92351700	0.93079716	1.73335764	-2.12153065
H	1.00964400	8.36661200	19.38865300	-0.49542607	-0.26751072	0.80952871
H	0.94019300	6.77045000	19.42648900	-0.70288798	-1.31743354	1.65068814
O	1.15285000	4.77930100	14.83296000	-0.52378572	1.14535737	0.49138146
H	0.61626900	5.59430900	15.08947500	0.59449550	-0.87395643	-0.18330828
H	1.91169400	4.83688600	15.47259800	-0.05038887	-0.11663395	0.04504120
O	1.41537300	16.79791100	5.27657900	0.84047555	1.23328266	-0.05236731
H	2.58412200	16.59038400	5.56697900	-0.20969536	-0.23160055	-0.40181487
H	1.41569900	17.70413400	4.83214100	-0.09527261	-1.18052689	0.26398120
O	5.90397100	2.34340000	12.61817700	1.19253076	0.46572786	-0.49086111
H	5.25527300	2.24986100	13.32350100	-1.05575625	-0.34704057	0.54129548
H	6.69897600	2.73881400	13.09777700	-0.10780470	-0.26393987	-0.44957640
O	15.42859600	15.20065600	8.41096200	-0.68590123	-1.27336871	1.64171913
H	14.96710400	14.42665400	8.02273100	-0.06911532	0.33005911	0.15394327
H	15.83369200	15.67093400	7.70752000	0.76865785	0.90204437	-1.60343794

O	15.98307100	2.77563100	5.82250000	-0.45482493	0.73707163	-0.98278794
H	16.82767100	2.34590600	5.91778100	1.10662202	-0.46266485	0.13807644
H	15.66978300	2.83170900	6.75193400	-0.65775283	-0.11350928	0.44318729
O	4.49889800	4.10676500	10.98205200	-0.58140697	0.98155485	-0.74482645
H	4.96299600	4.96008700	10.88588200	-0.22217702	0.30898438	0.04296892
H	5.01328700	3.64668900	11.65184600	0.83067981	-1.14393641	0.84181030
O	4.49354400	2.20407300	5.96558400	1.77055062	0.80222226	-1.31328072
H	0.01818000	0.94794600	4.13218800	-0.30868129	1.07462310	0.70532910
H	4.34288500	2.92292900	6.57491200	0.03309443	1.56192369	0.45742056
O	16.29273000	3.22491100	10.51040600	-3.21744035	1.31754621	-1.53036441
H	16.40337900	2.30872100	10.68942900	1.36929534	-1.68172835	0.97710597
H	16.95389000	3.85865300	10.68548000	1.99171277	0.52248269	0.55474841
O	19.15382400	12.96073600	19.29649500	0.24198202	-4.06519269	-1.37441699
H	0.08069300	12.66709600	19.41755700	0.05736305	0.36968279	0.15580271
H	19.03922300	13.82804700	19.57548900	-0.15823995	3.47879246	1.28576022
O	7.40930000	3.40697100	3.52598400	0.85721659	1.13681418	-0.13835093
H	6.81443800	4.15306900	3.85924500	0.86593875	-0.62051940	-0.31988903
H	8.33243900	3.78804100	3.31110300	-1.39253834	-0.22264878	0.39898007
O	6.06521800	11.24773600	1.32791400	0.22456749	0.17680583	2.25384250
H	5.85823200	11.05969500	0.42031900	0.14241371	-0.64122134	-1.27682714
H	6.93470600	10.86344000	1.56641600	-0.15338968	0.35219777	-0.75008040
O	15.40703600	17.71112100	13.43846000	0.86322648	1.66572709	-0.62745379
H	15.53900800	17.02691700	14.08284600	-0.01166595	-1.23766134	0.97043508
H	16.23370000	18.25862900	13.52812300	-0.79185383	-0.04979207	-0.00563448
O	8.38601200	12.76643500	13.88507000	-2.14474049	-1.79638390	0.07942842
H	8.29459600	11.85085100	13.51139000	0.31138237	0.78831006	0.42139655
H	9.17119800	13.13258600	13.51106100	1.65388444	0.86871056	-1.08044463
O	12.30161700	10.94542800	18.51089700	-0.94506308	0.01004241	0.64614416
H	12.23109200	10.98931700	19.50887700	0.21059443	-0.30816601	-0.61525564
H	11.34386400	10.80339800	18.29103100	0.62407501	-0.04738137	0.06243690
O	10.77287300	5.83859100	9.55594400	2.34238259	-0.14993452	0.72190535
H	10.94935800	6.55068300	8.90655400	-0.79952212	0.48737642	-0.46379047
H	11.71249600	5.82551300	9.95919600	-1.34817980	-0.16898294	-0.14732763
O	6.10495700	18.49365800	8.82655000	0.92835466	0.99634537	2.03148734
H	5.35527900	17.95254700	8.60412100	-1.63126586	-0.99554026	-0.45448790
H	5.94312700	18.77491400	9.77071200	0.08459065	-0.31554773	-0.86433427
O	12.59442300	16.69917500	7.42698700	-0.90652440	-0.04103478	0.25429048
H	11.78579400	17.29289100	7.38722900	0.34651944	-0.46360916	-0.15792705
H	13.30192600	17.31325300	7.16542300	0.60457783	0.22571953	-0.02773673
O	3.60438600	17.13668800	8.46213000	0.49485470	-1.16433815	0.40076979
H	1.78043100	19.47964900	7.25273900	0.11930598	0.71175751	-0.36373979
H	3.86560100	16.24178300	8.87229500	-0.32021888	0.73499698	0.03421910
O	15.24874300	12.20032000	1.70474800	0.89377229	-0.08443436	-0.43032824
H	15.42373500	12.87740800	2.37081400	0.31302096	0.76634074	0.10427748
H	14.31167800	12.11907000	1.84034200	-1.59238846	-0.35567371	0.05353786
O	9.76000300	2.96296500	6.07228100	-1.62644324	-0.23730110	0.72118655
H	8.79455800	2.73036400	6.25094000	1.28981156	0.71606704	-0.21393885
H	10.00771000	2.31171800	5.40354100	0.57657435	-0.26165101	-0.47196756

O	1.67563200	1.36613000	17.00151300	-1.04032965	0.51860124	0.29106708
H	1.17254600	0.64607200	16.58603500	0.37968741	-0.42215925	-0.37278238
H	0.91324200	1.87893500	17.38269600	0.70127010	0.08503032	0.13241685
O	10.70603900	8.17551800	7.97343500	0.93588221	0.80760403	-1.77996693
H	10.95609400	8.54426600	7.02634300	-0.69157819	-0.87775987	1.93595810
H	9.90468700	8.65966900	8.23748500	0.01990137	-0.13480256	-0.13556428
O	11.19784500	8.32259400	5.07043000	-0.82981159	0.60824503	-0.44285424
H	10.32292400	8.60556900	4.68333900	0.88270465	0.10827445	0.44070750
H	11.02232800	7.39396900	5.24598900	0.03393029	-0.81325285	0.23890710
O	15.69153800	15.94382000	15.93159600	-0.23836799	1.12310962	-0.84710068
H	15.67595800	14.99377600	16.07727400	-0.29881148	-0.98800908	0.46492211
H	14.89798500	16.30803100	16.38217000	0.46260598	-0.29155095	0.42628885
O	18.24747300	13.74957900	16.78760000	0.72126133	-0.62315143	1.66949267
H	18.32470900	14.73344400	16.72855800	0.08105284	0.30705129	-0.31214489
H	18.77220700	13.49288500	17.62561200	-0.78319624	0.32225608	-1.17691595
O	10.11613900	19.67161400	13.23255300	1.05846552	-2.29015830	-1.13771059
H	10.48113300	19.44885300	12.28278800	-0.99047629	0.60839355	1.27885290
H	9.91466300	0.59347700	13.26507200	-0.12517286	1.40552749	-0.26476609
O	6.09752000	12.87768700	8.14507700	-0.50099927	-0.20221938	-0.78324013
H	6.62628100	12.67661600	8.97631700	0.07438984	-0.55683869	-0.72010640
H	6.08734200	12.20381600	7.38373300	0.17405787	0.86212607	1.38843202
O	3.91581600	7.84091700	18.62224800	0.69758775	-0.81717263	1.29334759
H	2.95485200	7.85227900	18.73873500	-0.99260259	0.29596920	-0.69275405
H	4.07073300	7.36193100	19.51269300	0.71004368	0.07121945	-0.86440672
O	18.21582800	6.78617800	13.26229400	1.64469578	0.45068336	-0.86384189
H	19.00397300	7.45623200	13.27889900	-1.28177696	-1.58279874	0.10636512
H	18.41954200	6.05701900	12.57608500	0.00401722	1.19371156	0.93961552
O	5.03718400	10.80234400	14.65958100	0.19651534	0.27749596	0.03892636
H	5.74628300	10.96031200	15.35308200	-0.19130047	-0.37423511	-0.33707795
H	4.73494400	11.74123200	14.35238900	0.62713519	-0.59862579	0.21077026
O	1.38333000	12.23420200	15.06582900	0.61218391	-0.08824074	-0.44479876
H	0.40489500	12.29592000	14.98697100	-0.09176486	-0.14528649	0.04026991
H	1.72961500	13.16740200	15.02410600	-0.43430126	-0.22590698	0.36178914
O	15.47555300	11.13857700	10.03470100	0.73095757	-1.11282987	0.72510187
H	14.78278800	10.46032300	10.19778000	0.26267181	0.14157674	-0.12273936
H	15.07939700	11.73645000	9.40344800	-0.84080361	0.86684138	-1.05833808
O	5.95789200	9.75070700	18.80684300	0.20567238	0.58877974	-1.41441700
H	5.36727900	8.97123900	18.93101300	-0.56273658	0.61001568	-0.48747750
H	5.98768500	9.99773900	17.80925900	-0.11441712	-0.55359348	1.87885695
O	1.18475900	14.55003200	3.28079400	0.59007464	0.19575920	0.51798033
H	1.30622400	15.34041400	3.86460900	0.31237311	-0.00221569	0.03143612
H	0.22848600	14.53219900	3.25483000	-1.07264677	-0.06598215	-0.35331095
O	8.88126800	1.99574400	16.00165700	-0.22946315	0.90705571	0.65361913
H	9.59208200	1.38031000	16.19211800	0.97639451	-0.55794890	-0.27705432
H	8.82523000	2.43002500	16.92333800	-0.67197596	-0.55214860	-1.31756027
O	18.68589800	2.65023600	2.04937800	1.76669815	0.31184974	1.41206425
H	18.81605000	3.59280100	2.28008100	-0.32207556	-0.31460303	-0.63475683
H	17.91768100	2.56074600	1.50550500	-1.52178007	0.28489516	-0.90781774

O	13.46546400	8.00102400	13.09125700	-1.46945864	0.98060580	0.03146421
H	14.19684100	7.41682500	13.18574200	1.62004542	-1.21284570	0.25433820
H	12.73407600	7.45187900	13.43441300	-0.05433601	0.04698726	0.03412927
O	12.65014000	12.15549900	3.11714800	-0.08778864	0.49638433	-0.33304593
H	12.28743400	13.00567900	2.77352200	0.24466986	-0.40347043	0.55821873
H	12.83259200	12.27005000	4.07753200	-0.21610712	-0.02228986	-0.14722925
O	6.61223700	5.33695200	0.15717200	1.02567933	0.49314610	0.94391508
H	7.13634800	6.11164800	19.87201500	-0.08072068	0.31073060	-0.02120667
H	6.47165400	4.87732700	19.33029400	-0.40850235	-0.67341677	-0.99723852
O	18.98572500	6.61833000	2.90621300	0.98288751	-1.20348779	-0.60281711
H	19.63008900	6.28039700	2.19456300	-0.45420771	-0.36233226	0.14486087
H	19.13869100	7.55062900	2.83833100	0.02127863	1.70459332	0.53903345
O	7.65681700	7.87565800	3.37438100	0.69873242	-0.21624587	-0.37756739
H	6.73255100	7.80874000	3.61809200	-0.89840470	-0.08207384	-0.09882617
H	8.00791700	6.99583500	3.58669900	0.06847741	-0.19246562	0.03879809
O	3.54154600	18.91995000	13.60831300	0.99667362	-0.32774504	-0.23731463
H	3.49248000	19.55664400	14.34709700	0.05271201	-0.08564159	-0.38751546
H	4.46133100	19.07437900	13.16806800	-1.14523935	-0.01514849	0.55398964
O	9.57218300	1.69307900	0.99000300	-0.64632406	0.19501663	0.87604644
H	9.93885300	1.97603500	0.14704600	0.48994369	0.27612136	-0.70630952
H	9.68518900	2.51502000	1.51833200	-0.14618057	-0.21316524	0.00569603
O	11.03947400	18.33617800	4.25035500	0.25311446	0.23338902	-2.64350895
H	11.17710000	17.47109600	3.83068800	-0.08412327	-0.55189856	0.03400863
H	10.78735900	18.19162400	5.14313600	-0.64225593	-0.36547541	2.35207378
O	19.80416500	9.10915800	10.88165100	0.29378115	0.37665926	0.49618520
H	19.56870500	8.57478500	10.08531100	-0.04348088	0.68121134	-0.24925671
H	0.08763400	10.02272800	10.56988000	-0.21519181	-1.24282959	-0.20332118
O	9.90751000	4.38014500	2.50638800	0.68435185	-1.40297154	1.60627517
H	10.74654800	3.99192900	2.90407400	-0.99897430	0.71699878	-0.83360404
H	10.15572200	4.96029100	1.77790800	0.32771202	0.39593237	-0.84735034
O	4.32948600	16.20527500	14.25767700	-0.31706186	-0.73059300	-0.28821293
H	4.83629600	16.18038000	15.07881900	0.27400678	0.19853449	0.33468942
H	4.00475400	17.11279300	14.12395900	-0.05711883	0.53830700	0.17917338
O	16.56184600	16.40787100	5.77437600	-0.68737077	-0.19238870	-0.29150162
H	16.45125800	15.78048100	5.03403900	-0.69998122	-0.06080627	-0.36043813
H	17.42220100	16.06078300	6.07128300	0.90636814	0.55799557	0.35291200
O	1.25056300	2.63802300	9.87323500	1.10063688	0.24898913	0.74606824
H	2.11987300	2.63528400	10.37322900	-1.05990310	-0.39262279	-0.92249933
H	1.33272000	2.01370300	9.13328000	0.29180666	-0.07637930	0.02602919
O	0.41392000	19.30117800	14.64852000	1.00672911	0.76407737	-0.04904225
H	19.74547200	18.61770100	14.77498900	-0.10845017	-0.49486597	-0.63878501
H	0.72722600	19.34900900	13.69452100	-1.00763213	-0.48608865	1.00198508
O	2.72543200	7.90454100	15.70095400	0.50060865	1.04390381	0.82787063
H	1.74984000	7.97283500	15.64110900	-0.07076813	-0.24644159	-0.25578988
H	2.92960300	8.61840700	16.37420100	-0.21095603	-0.63436834	-0.63211198
O	0.46670500	11.56122600	9.56225300	-1.18553947	0.44898512	2.16009657
H	1.03761000	11.38156200	8.82979800	0.28662447	-0.36211252	-1.47678878
H	19.50219300	11.60531100	9.35816100	0.61790196	-0.12153161	-0.85772034

O	7.03034300	0.97697700	4.75456000	1.22593779	-1.33377770	-0.45043373
H	6.25690100	1.12719000	5.28423300	-1.13034467	0.44139124	0.39242325
H	7.18129400	1.72597400	4.16428900	-0.16656777	1.09149597	-0.07220838
O	17.46387900	6.62714100	18.17339900	1.45164906	-0.26215800	-0.88692688
H	17.40717700	7.58593800	18.40440900	-0.36420834	0.08490902	0.27719623
H	18.34116200	6.57437500	17.67032600	-1.29258481	-0.16913288	0.52262354
O	14.10445800	10.35791700	14.77507200	0.26179866	-1.00726171	-0.39493042
H	13.78544700	9.45417500	14.43971100	0.75719530	1.15300863	-0.00546678
H	15.06240200	10.43974600	14.50970900	-0.73539088	-0.34159552	-0.04723055
O	19.05997700	15.61108000	19.80715000	-0.10796626	1.16070526	-0.82440993
H	18.68216300	16.37122200	19.27214600	-0.20175130	-0.94007423	0.91034143
H	0.03320400	15.65303900	19.60576400	0.14025430	-0.17563410	0.28474702
O	0.21799800	8.99042400	14.04186400	-0.77765497	0.65691782	-0.22033988
H	0.35822300	9.17898400	13.08730500	0.06011546	0.09309675	0.36427401
H	19.59376000	9.70986400	14.34156600	0.67340118	-0.77017325	-0.38621689
O	10.79859400	9.03955800	11.62079000	-1.55967777	0.12917493	0.44200153
H	10.83201000	9.18584300	12.60087700	0.28054510	0.26126872	-0.71449156
H	11.62685700	8.71198700	11.28222400	1.30866829	-0.19458463	-0.00099835
O	6.60584700	13.96350800	0.62807000	0.42366667	0.68722120	-0.76129121
H	7.29163300	13.26889200	0.59479400	-0.57966295	0.11395323	0.54443201
H	6.02871700	13.90014900	1.40010600	0.13405379	-0.54660168	0.11395845
O	4.09259500	14.58322300	9.42402500	1.50749392	-0.71679538	1.64824118
H	4.65435200	14.57125300	10.30083300	-0.96365775	0.56479914	-1.27475932
H	4.65136900	13.95460600	8.90096200	-0.43706706	0.13829243	-0.24871122
O	4.36494100	13.14288000	13.94999000	-1.70711264	0.48921427	-1.54002412
H	4.66159600	13.72608700	13.20889000	0.84918320	0.19737649	0.49380517
H	3.47553900	12.95052900	13.54124100	0.45679595	0.02462987	0.82080019
O	3.18792200	6.35640300	5.21914600	-1.16512045	-0.28764286	0.32364476
H	3.11646500	7.02011900	5.93063600	0.24369497	0.01243486	0.24245361
H	2.24893400	5.99421800	5.23949100	0.96694957	0.19564536	-0.18420259
O	4.92839000	18.99103500	6.01844000	0.48411547	-1.25097281	-1.42120631
H	4.28571300	19.08501200	6.70171400	-1.10656350	0.72298466	1.21788323
H	4.60583400	18.09649100	5.69824200	0.51797878	0.29151113	0.13700491
O	3.56829000	15.61207400	17.46210100	0.29623698	-1.56723782	0.59302254
H	3.23538700	16.46324900	17.17981900	0.08198617	1.53812234	-0.16444623
H	4.40160100	15.67485600	17.96870400	-0.19124458	0.46430773	-0.35555035
O	16.42509100	12.27239200	12.36432300	-0.25590075	-0.60221637	-0.44666041
H	16.34772100	12.20280100	11.38349200	0.45436182	0.12472745	0.29912575
H	16.77510600	13.15386000	12.62196400	0.27789707	0.20024577	0.04238564
O	7.79731700	9.45682200	8.43118600	-1.04427654	-0.68659580	-0.97986857
H	8.38619900	10.21388300	8.48436700	0.36341103	0.56259341	0.05081839
H	7.50319200	9.40065300	7.48512900	0.56023982	0.11535818	0.68895118
O	4.83545000	15.64887000	2.88941400	0.39924125	1.42603373	-0.42877028
H	4.28829900	14.87289300	2.95516600	-0.62444651	-1.13400095	-0.05040009
H	4.38885500	16.23009900	2.21081700	0.28999205	-0.28705317	0.29532378
O	10.01400000	13.12771200	19.64155000	-3.05428393	-1.60043420	-0.52124209
H	10.96036500	13.09893400	19.74419200	1.62354139	-0.09508302	0.30595079
H	9.70986800	12.19551300	19.31521800	0.50491460	1.67978442	0.47059106

O	5.96437800	7.27736900	16.46836500	0.46272605	0.30334521	-0.13732244
H	5.15548400	7.43081200	16.98773800	-0.32943383	-0.09906369	-0.18823571
H	5.77945400	6.84299900	15.61571600	-0.35901099	0.18638984	0.14392280
O	11.63073800	10.20862200	1.23891500	-0.25372420	0.05154490	-0.75317069
H	12.14072900	9.40365600	1.42166600	-0.02889890	-0.93744759	0.09201288
H	11.92583300	10.76199200	1.96469300	0.07288998	0.91532454	0.81609867
O	19.90760000	14.89801900	8.78215200	0.19827179	0.57176911	0.07375175
H	19.50658800	15.27884100	7.97593700	-0.17847369	0.12149153	-0.09258911
H	0.24944900	15.69362300	9.28455400	-0.05861485	-0.55297198	0.00493581
O	19.12639000	9.46696100	16.96242300	0.35738822	0.19228911	-0.41185857
H	18.85097500	10.23697900	16.40582300	0.13088729	0.21799186	0.07416930
H	18.36359800	9.33348600	17.56106600	-0.36541450	0.13259130	0.17862740
O	4.88596300	8.79452000	2.46113100	0.56116408	0.48429879	0.25123505
H	5.30343700	9.70358900	2.31242500	-0.94553745	-0.91304538	0.20380728
H	4.23118800	8.82740900	3.19354400	0.19374584	0.48651312	-0.61932460
O	18.75218000	4.27202000	7.19142800	-1.91894745	-0.88320894	-2.00185828
H	19.36471900	4.68130200	7.73900100	2.14194717	1.22746041	2.32334858
H	19.11437200	4.60088200	6.32684300	-0.31571757	-0.24662799	0.03468800
O	19.76955200	19.73318300	11.85499600	1.70559821	0.58827150	-1.23965142
H	0.53315100	19.46781200	11.21204400	-1.38030915	0.35649708	1.37845003
H	19.97132100	0.72622200	11.97422500	-0.32906723	-1.04588036	-0.11101940
O	7.09845200	17.20819300	12.14061200	-0.07439303	0.14215943	0.21791497
H	7.51930400	17.26605600	13.01826600	0.24896518	-0.15434626	0.66483153
H	7.85065900	16.95281800	11.58880100	0.93211088	-0.14399049	-0.70805668
O	0.07698600	16.11247800	13.64356000	-0.52960175	-0.39057916	0.95154897
H	0.70478300	15.76453200	14.34659800	-0.42618584	0.22542344	-0.68754268
H	0.62520100	16.44030200	12.93133700	0.60064954	0.16725108	-0.62461374
O	13.03806100	19.49708200	13.93587700	0.56787271	0.85733655	0.70558674
H	13.60390800	18.75355000	13.70371400	0.24501018	-0.46967901	-0.39128863
H	12.14572200	19.37363600	13.61003700	-0.75440183	-0.38728070	-0.10740443
O	5.99478700	6.72543100	10.51656600	1.02486110	-0.60031034	-0.64437420
H	6.85263900	6.17788700	10.53469800	-0.95257154	1.19363843	0.23943617
H	6.31196900	7.65299200	10.41533000	0.00622570	-0.48170418	0.39851002
O	5.63697000	19.36197900	12.02798600	1.37451628	0.18838671	-0.10976176
H	6.41584900	18.69135700	12.09353100	-1.19996869	0.71480817	-0.13563945
H	6.00417200	0.22099100	12.36087200	-0.16828915	-0.27621837	-0.10472989
O	0.25064000	5.38111400	5.12957000	-1.08700989	0.52640357	-2.08371912
H	0.61529200	4.47641800	4.98248700	-0.13013234	0.37122611	0.01977453
H	19.73601200	5.70703000	4.25823600	1.33396429	-0.69564052	1.99721749
O	0.03459100	7.00454400	16.39011800	-0.40172250	-0.47436002	-0.51943972
H	0.43312100	7.33802700	17.20201100	0.71981913	-0.24338188	1.00922665
H	19.47160900	7.77441500	16.20394900	-0.30720880	0.43775993	-0.48052739
O	9.84435700	10.97228900	9.62223900	0.42287655	0.81303641	-0.67486417
H	10.14062900	10.25007500	10.21849300	0.28412503	0.08809085	0.44699434
H	10.51706300	11.70881000	9.64566700	-0.23888174	-0.67150118	0.42356731
O	19.00277500	8.40649400	8.36821900	0.15288045	1.92036380	0.14448429
H	18.31201000	9.15477700	8.17740900	1.02654823	-0.83092942	0.69940181
H	18.58880600	7.63217600	8.04653300	-0.85863738	-1.70664647	-0.72585148

O	8.75546500	8.37975100	15.80525300	1.30530500	0.05180169	1.91667640
H	8.98821700	8.18389300	16.78002000	-0.75219288	0.31227284	-1.73547941
H	8.15708200	7.66060800	15.55974900	-0.37897657	-0.21385572	-0.28504443
O	6.12690200	4.80595300	17.46893900	-0.75081896	0.09143180	-0.18303581
H	5.15821500	4.81853800	17.17965100	1.11977185	-0.12232290	0.16478187
H	6.39750700	5.75630800	17.32296000	-0.17847017	-0.50551776	-0.07002527
O	17.71324300	4.58264400	19.92557900	-0.14665174	1.38157112	-1.05771381
H	17.49076700	5.40077700	19.31808100	0.38393971	-1.26361100	0.77795129
H	17.22700100	4.77052700	0.75349200	-0.02933168	-0.13346962	0.06376505
O	3.36401700	2.17026300	19.41796900	-0.86785209	-0.06782950	-1.29815793
H	3.17729200	2.08405700	18.42239200	0.90537105	-0.05220066	1.49699848
H	4.31912200	2.15155300	19.61433600	-0.02062450	-0.24704834	-0.46417389
O	7.86658000	13.20867800	16.37431900	0.05725544	1.00942015	-0.82746436
H	7.43368300	14.08343900	16.53419500	0.03354193	-0.29074887	0.05672132
H	7.90024900	13.15992500	15.35485100	0.40218403	0.05069879	0.72819284
O	16.46870200	19.65831600	8.08467300	-0.33617959	0.95528909	-0.75620336
H	16.90468600	0.28574700	7.43472800	-0.05438150	-0.29808722	0.95486102
H	17.13089000	18.94810900	8.25992400	-0.10338131	-0.37489280	-0.01270083
O	17.65322700	17.41724600	8.60051100	2.29657731	-0.65106130	0.92743517
H	18.63167600	17.45279500	8.34823300	-1.28517458	0.08583972	-0.00570946
H	17.75331700	17.13987400	9.57386000	-0.47239688	0.29974904	-0.87915522
O	15.30578400	18.19958700	0.99123800	-0.57172485	0.54963505	-0.73419307
H	15.67296300	18.68152600	1.75844700	-0.00047041	-0.07692577	0.11275668
H	14.80346200	18.85080100	0.42743400	0.26844576	-0.21879601	0.78632367
O	3.19372100	7.27046100	8.21531300	0.73599786	0.13996869	0.71247060
H	3.92086000	7.86717600	8.50972200	-0.43974711	-0.31750740	-0.20445389
H	2.43447800	7.87606200	8.14395000	-0.07972964	-0.02908296	-0.42908092
O	7.15878200	10.77819000	16.47818200	-1.22141641	0.71478758	0.72987162
H	7.73094200	10.22644100	15.96981500	1.11326452	-1.31526186	-0.90223651
H	7.48352300	11.72854600	16.40542000	-0.19306406	0.05721226	0.44374810
O	7.70747600	7.77719900	18.74825100	2.28382846	-2.82974780	0.12589457
H	8.55055900	7.98344600	19.19732100	-0.45646067	0.14103788	-0.03297274
H	7.14979300	8.53129700	18.74794600	-1.01854098	2.15103604	0.21317785
O	3.62338700	17.21536300	0.66744900	0.51197148	-0.61969537	0.08252189
H	4.24381500	16.94957900	19.95908700	0.12937252	-0.10514365	0.19735771
H	3.66050300	18.18012800	0.62693700	-0.35874283	0.52552613	0.08570684
O	9.45956400	16.08164200	10.56552800	-1.72672893	-0.58638741	0.57657786
H	10.26129000	16.57019200	10.43267400	1.71270468	0.67107078	0.13710469
H	9.04607200	16.14239900	9.69120800	-0.33871649	-0.05856975	-0.69351827
O	9.27643100	10.52932800	18.68631400	-2.33709188	-0.18690879	-0.78721729
H	8.43659300	10.51056000	18.06588400	1.91251780	0.20044255	1.24207594
H	8.87898300	10.29229900	19.57868400	0.42538397	0.03267067	-0.52193107
O	5.71445100	14.95794000	11.71877300	-0.02932598	1.49333254	0.21540232
H	6.50627900	14.43438000	11.76224900	0.90901596	-1.12080094	-0.12993674
H	6.15182700	15.88292600	11.89166000	-1.19442448	-1.12300942	-0.03509027
O	9.70644500	15.45134000	1.27391600	-0.31691101	-0.25238315	0.80413387
H	9.61325600	14.57296200	0.82412000	-0.28922267	0.31080658	0.32938817
H	8.96916000	15.60058700	1.95053700	0.35596215	-0.33212180	-1.19183487

O	15.40546400	1.25962400	3.54350700	0.85340447	-0.63573322	-1.93461898
H	14.64892400	0.66213900	3.50895200	-0.74038327	-0.59272234	0.05379093
Zn	5.45233600	9.65547000	12.99202400	0.64871318	0.31133011	-0.03236793
Cl	7.57619300	9.45138500	12.13326400	-0.80793281	0.27915710	0.38675378

2) Representative configurations from the dataset labeled at the fully dispersion-corrected revPBE-D3 level, with D3 interactions applied to all species, including Zn^{2+}.

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Lattice="14.3 0.0 0.0 0.0 14.3 0.0 0.0 0.0 14.3" Properties=species:S:1:pos:R:3:forces:R:3 energy=-46051.397284435785 pbc="T T T"

O	5.90617700	3.58232300	10.96661700	-0.29150740	2.11267351	-0.05276287
H	8.07455500	2.71203300	4.52532200	-0.98373192	-1.07054482	0.43808360
H	6.05096800	4.60668900	10.88859200	-0.22233030	-1.73513288	0.31305935
O	9.89701700	4.67194000	0.32560800	1.03207806	-0.07487968	0.68631900
H	10.51002800	5.46672600	0.13549700	-0.59852206	-0.46592578	0.25244884
H	9.04693200	4.93711600	14.21096900	-0.78742906	0.49101611	-0.24396642
O	9.13185800	10.57529000	11.12334000	0.56259138	-1.07700573	1.34722095
H	9.16064200	11.52331900	11.15070000	0.17671562	1.67051005	0.18557594
H	0.07968600	0.53234200	4.62537300	0.10657824	0.44490462	0.36138447
O	6.81224100	13.58384000	4.87739900	0.48286475	-0.97756339	-1.96845292
H	7.21103200	13.34810300	3.95401000	-0.62004661	0.51718110	1.60264374
H	6.44378800	0.17088800	4.72056200	-0.47041449	0.30050381	-0.05376135
O	0.56134400	10.65491700	1.23884900	-0.72772186	-0.62507730	-0.84383148
H	1.30337600	10.84537500	0.62100300	-0.07506039	-0.42947086	0.15889429
H	14.29043500	9.98131200	0.74661200	1.00212259	0.97787306	0.65717285
O	8.81456900	3.30259300	4.42194600	2.19408853	1.39052376	-0.75401382
H	13.82910300	11.73343700	11.56561000	0.05286355	-0.10466673	-0.21462561
H	9.57094700	3.15106900	5.06249400	-0.93944668	-0.02017620	-0.07804684
O	0.38157800	6.24851200	13.98383600	-2.36519589	-0.02822152	-0.70759249
H	1.28488500	6.06163900	13.81476600	2.32351765	-0.37710510	-0.38961398
H	14.23359500	5.67514800	13.28381700	0.18207026	0.25483295	0.97467530
O	0.94769500	13.29863800	5.00651000	-2.57472114	0.15562562	-1.98084003
H	1.78278900	13.16244700	5.40580700	2.20130907	-0.22391245	1.02950938
H	1.10159400	13.22486400	4.03164200	0.22723319	-0.19046421	0.44416402
O	7.51127500	2.29742700	9.18444400	1.28581540	-0.96991756	-1.94693249
H	8.45102100	2.56070700	9.13828400	-0.50307258	0.01335456	0.36559779
H	6.66060700	2.78245500	7.74916300	0.23245209	-0.35833640	1.06320824
O	1.59254000	13.54556000	1.86380300	1.11941026	0.20895003	0.57146147
H	13.19071700	8.62251500	5.48285300	-0.66396403	-0.55846960	1.05072930
H	2.53145900	13.19193700	1.89473200	-0.85128451	0.17585082	0.03643427
O	8.84867600	0.35265100	6.07765500	-0.43926356	0.55867420	1.70307083
H	7.99511200	0.04599100	5.69520900	-0.17069717	-0.29019294	-0.24205097
H	9.50669800	0.05637900	5.47171500	1.22690527	-0.22777471	-1.17211262
O	12.32618500	5.91980600	10.24043700	-0.04239834	-1.12508742	1.49369331
H	13.16566600	6.24203900	9.79573800	0.14822331	-0.20548696	-0.01899436
H	12.65394400	5.33534600	11.03319500	-0.35470217	1.03411791	-1.31026542
O	8.19916200	13.16672600	2.36422000	0.82285733	-0.60020814	0.36771859
H	8.23749000	13.72309300	1.55683500	0.12628167	0.22539272	-0.15233497
H	9.14320000	12.89367600	2.53321000	-0.77402942	0.45063207	-0.38547956

O	11.03389300	2.89085500	13.01579200	-1.31661617	0.86154386	-0.45426973
H	10.62060200	3.41547800	13.79171100	0.40290507	-0.20463324	-0.75315323
H	10.44992900	3.22727800	12.26611200	0.88273417	-0.62679229	0.81497793
O	10.94946600	9.53279500	7.65128400	0.67826114	2.09715603	-4.11096584
H	11.65372900	9.17112700	6.97243600	-1.08599138	-0.44542336	1.72172045
H	10.83637900	9.17123700	8.49834400	0.56246117	-2.04574445	2.37414745
O	4.15860200	13.03661000	11.08420300	0.09351259	0.46912897	0.02000125
H	3.82711900	13.54757000	10.30914000	0.01508713	0.18634019	0.22990292
H	4.95493800	13.56992400	11.39942200	-0.24942134	-0.36890100	-0.16395281
O	13.40831800	8.87949500	12.85502800	0.59795864	-2.97642393	1.68837272
H	14.08131300	8.11849800	13.11115700	-1.42340477	2.09933585	-0.71275649
H	13.84607800	9.56578400	12.35233400	0.84272200	0.70661984	-0.76180430
O	9.19298700	13.67580600	11.10546600	0.12276906	0.31936225	-0.20226053
H	9.71656400	0.03241800	10.58016100	-0.37150337	-0.35519293	0.00756205
H	9.67626300	13.73506100	11.96013900	0.15768954	0.03288916	0.23401784
O	11.26934800	10.58494800	0.25230500	0.13716782	0.25194354	0.81474770
H	12.03219100	10.24319700	0.77222600	-0.32778790	-0.35206464	-0.13663607
H	1.56111100	9.17438500	11.28582600	-0.86405264	-0.00756938	-0.09721125
O	6.52913000	8.38615700	0.09788300	0.91506571	0.20163404	-0.45582090
H	7.47829200	8.52147300	0.38456100	-0.55388515	-0.34242366	0.21955602
H	6.58826800	8.71418700	13.45600600	-0.71562291	0.03395864	0.61050181
O	12.46432800	8.07043300	5.91804500	1.63653386	1.21191095	-0.77343194
H	11.92251900	7.98058900	5.12511500	-0.93708487	-0.44209968	-0.29995206
H	10.82319300	7.71739900	0.12754900	0.08507851	0.18207349	-0.25148180
O	12.75458800	8.62660100	1.95065700	0.78560608	0.02450311	0.87015574
H	0.47274900	1.11847100	12.44295200	0.38566912	-0.45002513	0.08849110
H	12.96342400	7.67698500	1.77896300	-0.01742957	0.81106948	0.11502024
O	14.07508300	2.72285600	7.45076500	0.16281168	-0.39027274	0.52589072
H	13.97576900	2.02356700	6.76377200	-0.04061479	0.13482230	0.29051042
H	14.05373400	2.25225900	8.35497400	0.02862336	0.55096621	-0.98757963
O	2.00617000	3.67423700	2.11860800	-0.54843034	1.27862350	1.37451662
H	2.23688300	3.92251000	3.07700000	-0.15388163	-0.80712240	-1.15846617
H	1.49678300	4.50961300	1.88991000	1.02720724	-1.17354682	-0.06030787
O	3.57361900	12.80835800	5.58058900	-0.82496755	0.03983006	-2.04458661
H	3.86136900	12.76073300	4.60322300	-0.21823184	-0.08787575	1.46139144
H	4.34983300	12.64169800	6.09492800	1.45082213	-0.13720829	0.53344901
O	8.24023100	6.24777800	5.68655200	0.35899960	0.00583232	0.72678798
H	8.23626900	6.94934600	6.39512000	0.00577855	-0.16600204	-0.49461472
H	8.69108400	5.47684600	6.11509600	-0.21547889	0.33371504	-0.48008485
O	3.10788700	1.57685000	0.06927800	0.76469981	1.22365796	1.15092684
H	11.41039400	7.39349700	10.13987400	0.00630956	-0.18451464	0.38051662
H	2.36052300	1.06030900	14.05155300	-0.75524250	-0.70957345	-0.39787604
O	2.91447300	3.85321700	4.91478900	-0.28287887	-0.03824649	1.23175571
H	3.40967500	3.00844200	4.99415400	-0.10710660	0.36533645	-0.06296545
H	7.19334600	14.23230100	11.76218000	0.72472709	0.11867344	-1.00983777
O	3.45725000	9.35416400	3.76113200	0.28122592	-0.97165837	0.68353241
H	3.88671000	9.09813100	4.62407700	-0.47003803	0.41551258	-0.94380007
H	3.70218600	8.58908600	3.17078800	-0.05496672	0.70340563	-0.07503316

O	6.49439100	10.99794200	2.40244600	-0.01992634	-0.18688227	0.51884305
H	7.16309800	11.64241800	2.08322600	0.11013683	-0.11574304	-0.24913404
H	6.29212900	10.34110500	1.71159900	0.22191432	0.16228166	-0.26758221
O	13.35873300	4.23353700	12.29436200	0.02618204	0.08352430	-0.22282464
H	11.56153400	0.77406700	6.30576800	0.59187684	-1.03420705	0.64053740
H	13.96375400	3.59558200	11.83909700	-0.38631316	0.17015095	0.34991292
O	9.12499000	8.70334400	1.06525300	1.26666401	1.43781864	0.57530150
H	9.63708500	9.54643900	0.79566400	-0.77969885	-1.40547919	0.44736517
H	9.29570800	8.62292200	2.04865500	-0.15739346	-0.02782953	-0.95728466
O	6.63566000	9.55255900	9.02213300	1.29249866	1.11743921	-0.67697869
H	7.18252200	9.09988900	8.35302500	1.03561700	0.27679282	-0.34228668
H	6.02418500	8.85280300	9.14306600	-1.97887728	-1.28622737	0.94654930
O	5.16241400	5.44722400	7.94521500	-0.14717982	-0.66979662	-0.19044417
H	5.15388300	6.30335100	7.48075400	-0.03185325	0.40105430	-0.35788958
H	5.48465500	5.69462200	8.86237700	-0.28668126	0.20553046	0.12191729
O	4.27507000	7.39615000	1.70057200	2.74454302	-0.72151019	-0.28333398
H	5.25653900	7.52435400	1.31097800	-2.53328932	0.11294354	0.70679008
H	4.45083300	6.69675500	2.41794300	-0.10744733	0.76196614	-0.60985499
O	6.32886000	14.28808800	7.88515600	-2.16807971	0.29998809	-1.02295270
H	7.11982900	0.44303100	8.11333800	1.32992511	0.47049628	0.79539455
H	6.35773100	13.37138200	8.13228600	0.59364318	-0.93825650	0.24396372
O	8.47401000	0.90301800	0.30169700	-0.61670095	0.85515054	0.91061757
H	8.13558300	0.81150300	13.70469400	-0.18915921	-0.19657825	-0.50705126
H	7.83217900	1.57415200	0.71145000	0.93283889	-0.81500165	-0.21006176
O	10.29787000	4.18376600	9.55507200	-3.94747254	0.17054577	0.40680632
H	9.42576400	4.74532500	9.84592500	2.42088156	-1.23715622	-0.59887110
H	6.21871300	9.90395100	11.26538700	0.02252785	0.57468944	1.36123815
O	6.54543200	9.74561500	5.08642500	0.18572987	-0.26803812	0.12080429
H	6.73184700	10.18192100	4.20392600	-0.64136344	0.05330883	1.00178212
H	6.28334100	10.37685800	5.86247000	0.29446696	0.18546931	-1.48278083
O	14.02611000	1.37844700	1.45929900	-0.47925305	-0.45981593	-0.34174430
H	0.29524900	0.83774500	2.01042500	0.37976486	-1.35803712	0.09052212
H	0.10015800	2.20073500	1.74172700	0.21999732	1.94109904	-0.00722281
O	10.90163300	5.21222900	3.08734300	0.16347271	0.93685426	0.19725784
H	11.78093500	4.77206800	3.24545500	0.28738794	0.38476520	-0.13908783
H	10.93098900	6.21821000	3.17179200	0.00238971	-1.31272096	0.05145050
O	1.23795400	7.25356300	6.63488300	1.58022056	-0.26318922	0.60801327
H	1.66472200	7.87925400	7.29637000	-0.64015101	-0.66860517	-0.99852825
H	9.35252500	9.23228600	7.08825100	-0.56018655	-0.33597846	0.13120497
O	2.43581100	8.83070100	11.46515400	-0.27772091	0.07192170	0.57697886
H	12.55327100	3.73844100	12.61621900	0.50123233	-0.12298103	-0.17300283
H	2.97034300	9.35396700	10.84242200	1.05596898	0.51524285	-0.20589756
O	8.41022100	8.88928900	6.96605400	0.89648670	-0.59567174	0.61926710
H	8.04278100	9.29396400	6.17372600	-0.54772079	0.37802711	-0.75897272
H	11.67318200	10.86935900	13.72694800	0.11050308	0.00061306	-0.58247298
O	3.16305500	9.66121300	14.22766500	-1.16926989	0.82933529	-1.07822742
H	3.55184800	8.82090500	0.14815200	0.27065978	-0.88106041	0.19127869
H	2.62243300	9.50032600	13.39531900	1.14202100	0.09970641	0.88546266

O	10.91184300	1.37888300	9.57154400	1.12235318	0.30469314	0.30895644
H	11.86904300	1.48907200	9.85110800	-0.53879682	-0.57895623	-0.12019425
H	10.69045500	2.32924900	9.50801000	-0.39382467	0.32238615	0.04631222
O	5.12316700	5.81648300	3.75218000	-1.17586640	-0.97662900	1.02650894
H	4.41091800	5.12693500	4.01181000	1.19671738	0.97329376	-0.20779128
H	5.22891700	6.34857000	4.58059300	-0.09998275	-0.33441187	-0.54922122
O	8.06430200	5.69129800	2.61983100	-0.03743448	-0.05875016	0.36072540
H	7.16942800	5.28923100	2.60090700	0.00162396	0.33795721	0.22395494
H	8.15256000	6.11959200	3.51152500	-0.31183446	-0.46902788	-0.42571311
O	10.03801800	7.85532900	4.00459600	-0.75171815	0.91268554	1.38445517
H	9.42044500	7.34703100	4.63516800	0.88251134	0.73267193	-0.58986189
H	10.10633600	8.81279200	4.40707200	0.11746213	-1.63725778	-0.87917836
O	4.13065800	10.54020300	10.12151700	-0.56898580	0.34646790	-0.99800697
H	4.11434700	11.46763300	10.50040100	0.24803041	-0.40065922	0.02535741
H	3.85182300	10.66175700	9.16793800	0.49344684	-0.38054916	1.04357448
O	0.19003500	11.02120000	11.37399000	0.95661035	0.17737178	0.49643391
H	1.03665600	11.33948800	11.84189600	-0.76795707	-0.09233198	-0.24468896
H	2.42320600	2.88622300	13.03966700	-0.13640876	0.27920562	-0.71482483
O	2.16694100	4.66009400	7.48303000	0.28406408	1.12830888	-1.11446960
H	1.76416100	3.82625600	7.69582400	-0.74128158	-1.12635733	0.71065106
H	3.07035300	4.63366500	7.82929300	0.39200889	-0.06812389	0.58582033
O	6.55741100	10.20057800	12.17202600	-0.56365311	-0.91595095	-1.41547831
H	4.96944000	3.53563600	10.62796500	0.13919776	-0.37376941	-0.32246477
H	7.51718700	10.15404000	11.99606000	0.34786590	0.39787648	0.03590955
O	6.40994500	3.44146900	7.07746500	0.04966020	-0.13764237	-2.08070720
H	6.13219600	3.02770500	6.07694900	0.29797870	0.11753934	0.68012756
H	5.84518600	4.22565300	7.38896400	-0.29023845	0.68050849	0.53765710
O	2.21879700	12.19768100	13.03985700	-0.73334078	0.80926161	-0.28992235
H	1.57308900	12.96787600	13.17682600	1.35753302	-0.69627675	-0.42484835
H	2.97977300	12.52156500	12.46374100	-0.89609600	0.07709277	0.49003230
O	0.78671200	0.52125000	13.17123100	-1.01676917	0.99638183	1.50220885
H	5.50298300	8.40290300	5.98382100	0.20110900	-0.35269475	-0.03663151
H	0.33914900	0.91123600	14.01428400	0.54162971	-0.81971608	-1.22301407
O	8.88496000	11.92869600	7.29320000	-0.84688642	1.22072007	-1.92132833
H	8.90420300	12.86045700	6.87705900	0.22698459	-0.96169150	0.78871577
H	9.50533300	11.95304500	8.01164200	0.88868860	0.10690521	0.96963063
O	11.84231600	0.25431600	7.11275500	-0.93698031	1.24632368	-0.59139233
H	13.39818500	8.91698800	2.68482000	-1.04800252	-0.82628246	-1.19590496
H	11.32611700	0.77012900	7.78599500	0.43752801	-0.49322898	0.19966994
O	13.17946500	11.18848200	6.08200400	-0.45452972	0.56513024	-1.39914903
H	13.77671200	11.81715900	5.63427400	-0.03224820	0.11494562	-0.45308684
H	13.67159100	11.04673600	6.87495100	0.58310532	-0.70449303	1.72653407
O	13.37322700	4.03990600	3.62248600	-0.28167666	-0.77749644	-0.45465528
H	13.32365100	4.48501100	4.47020100	-0.28496270	0.32496826	1.56878791
H	14.17157600	4.46438200	3.27253700	0.11781427	0.33371967	-0.64671795
O	12.99196800	5.09849700	6.28600900	0.65665657	-1.72036630	0.52294215
H	13.47559500	4.33313300	6.80091200	-0.68419324	1.39216741	-0.69506478
H	13.46202900	5.93958500	6.41008300	0.05110997	0.10241898	0.25728019

O	7.80031100	5.68218100	13.43127100	-1.63884503	0.46393662	0.45504013
H	6.93512000	6.19546700	13.56766300	1.66983154	-0.69018797	-0.20235331
H	8.12947800	5.91084400	12.54203000	0.00853751	0.15652051	-0.27391783
O	0.28353900	13.48757300	7.91368200	-0.75805838	-0.89619283	-1.67468719
H	14.24895600	14.08630800	8.57460200	-0.02164523	0.97188823	1.37549119
H	13.74434300	13.36316500	7.38280400	1.02019961	0.20072212	0.25747954
O	10.99678500	14.27375800	13.12353600	-0.79142693	0.10306608	0.87918199
H	10.95188700	0.94565900	13.06697200	0.10716536	0.25170819	-0.00075598
H	11.74770200	13.99999000	12.57407000	0.52130284	-0.22371080	-0.43422458
O	8.58559100	6.15897600	10.76204500	3.04870575	-2.44585829	0.57290743
H	9.12162800	6.94357600	10.67165500	0.79842421	1.10002416	-0.39591696
H	7.69805500	6.38085800	10.72211200	-3.78566198	1.21848584	-0.61386591
O	11.66448500	11.98718400	8.75073000	-0.25238925	-0.67478279	-1.72352568
H	11.64077800	12.71487200	8.08018300	0.08957583	-0.21000001	0.42945343
H	11.62363100	11.15539700	8.12902500	-0.05490827	1.18945907	1.44072233
O	2.06762100	3.26209600	12.18617800	0.15082533	0.23451019	0.39152300
H	3.86905800	4.62109600	14.05093700	0.91053743	-1.09290174	-0.04819865
H	2.26011400	4.22835700	12.19128900	-0.05807221	-0.19593587	0.23469183
O	0.25665300	6.76967000	9.32916600	-0.53769108	0.39067924	-1.00574494
H	0.61551200	6.34641600	8.52070700	0.07511975	0.09378831	0.51096272
H	0.86512300	6.61966300	10.05895400	1.13139037	-0.37940976	0.53476093
O	0.41317100	8.68092000	3.91710800	2.09636654	0.23676195	0.31195522
H	1.19750600	9.21492500	3.59146600	-0.89501235	-0.10460570	-0.18560058
H	0.90743800	8.26497200	4.66651800	-0.64966859	-0.22141590	0.20054449
O	5.84557900	12.32564400	13.97671800	-0.08806122	-0.51508423	-0.01080214
H	5.79185400	11.53885700	13.36608100	-0.06874148	0.33580857	0.54934287
H	5.08614600	12.28003000	0.30167300	0.24791181	-0.12663811	-0.66307455
O	11.27438200	0.53643800	4.11436600	-1.37255846	-0.81130997	-0.86286905
H	11.45742300	14.13417100	3.44699400	-0.26734500	0.00960409	0.13892978
H	12.16843400	0.84776300	4.29938900	1.21409666	0.60638628	0.31154911
O	10.51617100	10.53815100	4.81046300	0.23093519	1.11717208	1.75418096
H	11.29893700	11.07406100	5.18874500	-0.90420922	-1.21358250	-0.75515072
H	9.90872800	10.59725000	5.60598300	0.50454222	0.21934654	-0.88690360
O	3.31692100	3.21122800	9.71699600	-1.65638108	-0.45222039	2.80255251
H	2.70799900	3.01773200	10.60121800	1.43369372	1.05057283	-1.89319636
H	11.00579200	4.81176500	9.70303200	1.37924980	1.06152357	0.14996444
O	6.17357400	11.45949200	7.01606400	-0.33447104	-0.83850501	1.17366306
H	7.09058000	11.73907200	6.85066500	0.35828423	0.32722219	0.01656304
H	6.32346000	10.86247300	7.82850600	-0.51226789	0.38746842	-0.50569103
O	3.99298700	12.02760000	2.59587800	-0.15203457	0.23763958	0.40923381
H	5.00833600	11.99174900	2.52484800	-1.50978808	-1.01606899	0.43182023
H	3.58924200	11.16613500	2.94260300	1.41790279	0.81144673	-0.61038906
O	0.75261600	10.88408200	8.51911400	0.20438026	1.05246270	-0.98452918
H	0.46431200	10.92895300	9.44182500	-0.20418715	-0.29028898	0.90296330
H	0.72929500	11.87639000	8.28246600	-0.01640856	-0.75543812	0.26055319
O	10.59315500	2.25224300	1.97323900	-0.28452015	1.39451134	0.64520413
H	10.33103500	1.98669700	1.08444400	-0.33969049	-0.83006395	-0.21761406
H	10.50631000	1.52719200	2.63995300	0.20159505	-0.08388943	-0.17146293

O	6.31241600	0.00966000	12.13854100	0.19321136	-1.45058251	1.83562362
H	7.09722900	2.60915400	9.98349800	-0.72620165	0.85798920	1.42570577
H	6.38556600	13.53886400	12.83835800	-0.86734815	1.44896069	-0.79301901
O	5.44666800	3.03662400	13.75590900	-1.07282410	-0.95802999	0.92802686
H	4.81721900	2.28253900	13.99549300	0.52694338	0.83248150	-0.41962949
H	5.27710700	3.18888600	12.80717800	0.69167090	0.03595000	-0.42276261
O	3.04161700	9.97474300	7.48811500	0.01602391	-0.64555694	0.57399218
H	3.23079100	10.72726700	6.93242000	0.04253362	0.79290769	-0.73577248
H	2.21664900	10.24297300	8.00027500	-0.10549610	-0.06001906	-0.24103178
O	10.46250000	3.78611300	6.60028300	0.27030252	0.69422899	1.08975185
H	11.22403200	4.43574500	6.59026300	-0.39423675	-0.52649815	-0.27797436
H	10.24249600	3.77735900	7.57920800	0.18096937	-0.01597749	-0.91764975
O	7.14240200	3.02266800	1.51958600	0.44908020	0.17343519	-1.01205483
H	1.86400300	6.45822900	6.65609200	-0.98990591	1.05969460	-0.04427846
H	6.62573300	3.03231000	0.63119500	0.05645055	0.51588233	0.79671239
O	11.23954400	13.23435300	1.66814700	-0.23194466	-3.60664232	0.80420354
H	11.31819500	13.79915000	0.93088300	0.13964053	1.70607704	-1.96258500
H	11.24658900	12.30967100	1.18185000	-0.05585028	1.78586384	1.22925804
O	4.82550400	7.86836700	6.46599200	-1.04054602	2.21261441	0.35140704
H	4.23584000	8.65162700	6.83228800	0.89813429	-1.94278544	-0.33454284
H	2.80891900	2.02918100	0.90133600	0.04926710	-0.33315114	-0.69249747
O	10.64749300	8.01849700	10.05023000	-0.49958801	1.20921182	0.70313792
H	1.05890700	12.79258400	1.59914300	-0.36193382	-0.61689436	-0.25556509
H	10.69158400	8.67397100	10.80000300	0.18376476	-0.75161258	-0.74268973
O	12.66296200	13.11156500	11.42409200	-0.40249220	-0.51670305	-0.62024881
H	13.34122600	13.72798700	11.09716100	0.41040367	0.62853362	-0.13759144
H	12.13306000	12.91468600	10.60754300	0.26471928	-0.16808905	0.40065647
O	2.41765100	6.22920800	11.26918200	-0.19260007	-1.19314836	-0.35297258
H	3.23249400	5.98714700	10.77357900	-0.27468165	0.28118975	0.27596444
H	2.62239300	7.10222400	11.65555000	0.09797044	0.24643773	-0.23943202
O	0.55769900	6.04014100	2.47880700	-0.06247700	-0.69902851	0.59346813
H	0.63018200	6.91625300	2.87746900	0.12025130	0.60297284	-0.09358974
H	0.52804900	6.09067200	1.51262800	-0.29783526	0.65875310	-0.77497753
O	11.09412900	6.99589300	13.82913800	0.52145987	-0.35388196	-0.41583777
H	8.90233900	10.42193600	10.22455700	-0.56979742	-0.58674989	-1.67149799
H	11.83185700	7.30014600	13.24075000	-0.65645784	0.11863646	0.74540773
O	3.22240800	5.31169600	14.09684800	-0.70227801	1.30231479	0.33310694
H	3.63331300	5.97748100	0.39203500	-0.16773748	0.00375108	-0.09765704
H	2.54549200	4.03669800	5.86632900	0.62234268	-0.02951733	-1.52037090
O	13.74759500	1.27433000	4.78812100	-0.19910230	-0.03296183	0.31774328
H	13.96369800	2.07315700	4.28077700	0.20637158	0.07493025	-0.29872536
H	6.51082300	2.92236900	2.24475300	-0.39374167	-0.23218680	0.29116448
O	3.65337800	0.47388400	8.85182400	2.78672759	-0.80053029	-0.90368152
H	3.37639000	2.27687900	9.47171300	0.50183843	-0.57465800	-0.72097632
H	2.84775700	0.22510000	8.41522500	-1.05646612	-0.35212196	-0.72511608
H	4.45600200	0.14306600	8.24151200	-1.81351252	1.22103493	1.54972722
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H	8.17864000	11.37762600	11.67883900	-0.40920414	-0.65905090	-0.75563544
H	7.83251100	10.90032300	10.20243900	0.69362958	0.18289705	-0.76863733
O	18.44166900	18.98529400	1.37275800	0.29392741	-1.21488187	-0.27271900
H	18.14334300	19.88016300	1.23208000	0.00789316	1.38626193	0.14281398
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O	1.83360300	18.62926300	1.63709300	-1.11759545	1.05562684	-1.28117747
H	2.31182400	18.32903900	2.38970300	0.83477228	-1.02389580	1.36929711
H	1.95662200	18.00861000	0.89291100	0.31056459	-0.21191144	0.10008229
O	1.12204100	19.83801700	13.22265800	-0.58141030	1.24985143	-1.05926010
H	1.44618000	19.49750500	14.05824700	0.31957094	0.31820202	0.94161731
H	0.87131500	0.84087800	13.34266100	0.77813126	-1.70858515	0.17849528
O	10.78894100	2.13044600	19.47064400	0.01040422	0.64153618	0.25764316
H	10.21883100	1.44616600	19.14129800	-0.84847587	-1.04992041	-0.04996681
H	11.22121700	2.35939300	18.63600900	0.66037164	0.45576465	-0.28579390
O	10.32538500	17.47671300	11.05311100	-0.11671736	-2.03393603	1.50090676
H	9.42164500	17.01377900	10.96052800	0.69508352	0.87644124	-0.01462444
H	10.34143100	18.24146300	10.51604200	-0.05277591	1.48390518	-1.32754130
O	18.99596800	4.19220600	11.92006600	-0.89690366	-0.05544893	-0.58537393
H	19.98934600	2.33517800	7.03972800	-0.23658768	-1.59852792	0.71154730
H	19.45020500	3.39806900	12.33070400	-1.08151181	0.66764185	-0.45912867
O	14.94626000	13.57658800	4.20913300	0.41497236	0.65070069	0.32188535
H	15.09657200	12.68506100	3.85186500	0.10500151	-0.76893148	-0.58751100
H	14.01055800	13.59218100	4.47766400	-0.42193762	0.36809266	0.15458961
O	8.12649200	19.17828400	14.70512400	0.46087553	1.12418808	0.35024778
H	8.10316500	18.26678100	15.03808200	0.07846549	0.07544190	0.28548649
H	8.48566900	19.77952400	15.43060600	-0.68806581	-1.06895653	-0.53157999
O	13.48900400	4.21975000	19.49633600	-0.13160349	0.95426629	-0.77400746
H	13.81166400	4.45411000	18.55691900	-0.66034723	-0.67035273	1.53847341
H	13.88637800	3.37868500	19.72722100	0.33682748	-0.48668489	-0.05937831
O	9.50872800	4.00636500	6.69104200	1.73279097	0.94269249	0.72860621
H	8.60653100	3.87857700	6.43657800	-1.15623398	-0.66325264	-0.21640951
H	9.90837700	3.13311500	6.90902200	-0.69563122	-0.36920815	-0.58365923
O	6.29664300	1.08324900	16.72295600	-0.66736371	-0.35697140	-1.16759516
H	6.71472700	1.57929100	17.42726100	0.25947046	0.59103582	0.78855786
H	5.53809100	1.64575600	16.46001200	0.27146916	-0.35176019	0.47162457
O	14.91417000	10.93641300	0.39053900	0.11403713	-0.49755158	-0.26113282
H	14.49459900	10.13972900	0.02130300	0.22834699	-0.29286306	0.33923683
H	14.37348700	11.66181100	0.02923300	-0.12650513	0.79629605	-0.08952573
O	12.40922900	3.50822600	13.28558300	-2.17646807	1.47962064	-1.03909087
H	12.90914900	2.78134000	13.61541800	0.84670717	-1.73923530	0.65528462
H	11.59412300	3.13813200	12.81442200	1.20808678	-0.07508409	0.37803685
O	4.39643600	14.13587700	16.53113700	-0.20867819	-1.25351612	1.06722694
H	4.18329900	15.02505000	16.74674800	-0.42966267	1.64647843	0.26031416
H	4.76584100	14.09998600	15.64023600	0.22690442	-0.20300062	-0.64171293
O	5.03105700	13.32214900	7.54084600	1.13594411	0.22905811	0.05011153
H	6.02216200	13.41183500	7.50597000	-1.19588880	-0.16042843	-0.17224147
H	4.77298000	12.66757000	6.82029100	0.33726585	0.15638458	0.49526533
O	18.99630700	8.52397300	7.93843400	0.11248803	-0.90711866	0.07985660

H	18.35400200	9.19188700	7.65418600	-0.17559975	0.02897968	-0.34140807
H	18.62932800	7.62905700	7.66300700	-0.17571362	1.07108433	0.17956436
O	9.01008100	18.84235800	4.91186200	0.16944310	-0.06223187	0.59765441
H	9.10171800	18.15561300	5.61662400	0.20298338	0.62531604	-0.78795556
H	9.92811800	19.16580200	4.64878400	-0.77808561	-0.26885319	0.13099730
O	5.01887300	4.14829000	7.28813100	-0.66582104	1.42196113	0.45105714
H	5.59595300	4.96167500	7.14224200	-0.06553865	-0.90974551	-0.01048192
H	4.13471300	4.53087400	7.59684000	0.65241409	-0.63093678	-0.52222990
O	19.31601900	3.94708800	7.51858400	-0.15090631	-0.26862763	0.92836270
H	19.32898300	4.56311200	8.30069400	-0.03384303	-0.37195124	-0.76511527
H	19.72703200	4.41548300	6.77661500	-0.03480730	0.85697165	-0.15604874
O	18.58411600	11.60276900	2.36656500	0.07203453	1.53396812	1.14740301
H	17.63325700	11.71232100	2.62599600	0.29761425	-0.20154809	-0.40885353
H	19.01656000	12.44195200	2.72126300	-0.64612375	-1.22234217	-0.62602946
O	4.35774600	0.02185600	3.74960900	-0.83542504	0.00951830	-0.30762463
H	3.45729900	0.38887700	3.91913300	0.31909357	-0.04972745	-0.07336353
H	4.92547100	0.51536500	4.35280800	0.18510369	0.47608650	0.51070493
O	9.59261100	12.72372600	7.07103300	0.34378432	0.24221633	0.10417864
H	9.25312500	13.61954000	6.83676800	-0.09183139	-0.06529954	-0.01895365
H	10.54803400	12.82197900	7.27857900	-0.20003023	-0.00898756	-0.16600258
O	3.95990600	8.65001200	4.59408400	0.01428625	-1.24478584	-1.26730604
H	4.42607700	9.29229500	5.11409500	0.61959003	0.90575663	0.68394001
H	4.68887400	8.04587500	4.23207100	-0.95953776	0.23254724	0.49529459
O	1.40465500	2.60908800	16.04052500	0.54129370	-0.36813380	2.16100652
H	1.06251800	3.37290800	16.54306200	-0.47382952	0.94250971	-0.58429782
H	1.65697700	2.08321700	16.87571700	-0.24340279	-0.34551900	-1.27639479
O	13.44265700	15.22589000	14.71558000	-0.15033383	1.12515800	-0.59698717
H	14.30033600	15.67992400	14.53779200	0.25448101	-0.05646676	0.20974661
H	12.79398900	15.50533500	14.03345800	0.10377629	-0.35846451	-0.18791762
O	17.03863300	11.90574900	17.74966000	0.28164110	0.87426676	-0.68258403
H	18.02063000	11.93773400	17.83191700	-0.54434759	-0.79997469	0.13725376
H	16.68977200	11.06534600	18.08857200	0.58105460	-0.12512809	0.18644034
O	10.76503200	1.51604100	6.69437700	-0.28192656	-0.20392205	-0.91676647
H	11.60797400	1.86612900	7.03502900	0.39055882	-0.23198890	-0.16414902
H	10.93562600	1.20497200	5.75380900	0.15011213	0.40366896	1.14386533
O	8.58930300	1.74619700	9.18065700	-1.80342554	-0.02307704	-1.20642238
H	9.26054800	1.90790300	9.83347300	0.66227021	0.32822341	1.25316786
H	7.72885600	2.20410800	9.41761100	1.10438905	-0.22144074	0.06372268
O	15.92020400	2.55058200	19.99202200	0.92940771	0.20452077	-1.23915776
H	15.80467300	2.67975400	19.01402700	0.13234058	-0.15525691	0.88136407
H	16.90805400	2.70126200	0.08457900	-0.98437912	-0.17659091	0.02054963
O	17.82527400	5.00291800	19.70638300	-0.57843020	0.50588200	-0.55436501
H	17.16006900	5.54934000	19.19358100	0.07016332	-0.92920848	0.20567805
H	18.53869600	5.65047700	19.71083500	0.87055228	0.50459436	0.40889123
O	11.76610900	4.95788700	1.56049000	-0.53988755	0.18323015	0.56160020
H	11.45822400	4.25992200	2.18464100	0.27270522	0.22354971	-0.24761031
H	12.17829000	4.58202900	0.75814500	0.43585530	-0.43942219	-0.19651486
O	11.78608600	15.18891000	9.11450000	0.36987286	-0.03532732	-0.30409279

H	10.94492000	14.76055500	9.33302400	-0.45252873	-0.13313215	0.44285891
H	12.45469800	14.47368800	9.12898800	-0.02455352	0.11838567	0.30816664
O	19.76686700	7.27016200	14.29295800	1.16626313	2.46104450	-0.28892585
H	19.47106900	8.01276300	14.90566300	0.02115684	-1.20837058	-0.40291943
H	19.28799600	6.47259500	14.46821100	-0.93354789	-1.04137340	0.59496307
O	18.66326900	18.06194300	10.26237200	0.35575652	-0.37035316	-1.66489619
H	18.44834900	18.31794200	11.15398600	-0.37505673	0.73353336	1.24662195
H	17.97610500	18.42821700	9.64702900	0.23163343	-0.41587585	0.09156828
O	12.72992900	12.26516800	7.58729600	0.17428409	0.98792273	0.95768394
H	12.88534400	12.45816200	8.57677700	-0.03884518	-0.78500133	-1.30353398
H	12.43139200	11.35310400	7.43173300	-0.17647933	-0.33426722	0.41381699
O	16.50437700	15.26309100	2.58973000	-0.87803102	-0.49508482	0.89948921
H	17.37137400	15.26222300	3.03063100	0.53622772	0.12768853	-0.16160413
H	15.94285500	14.73375700	3.24189000	0.07335478	0.31985528	-0.57301029
O	0.38860900	8.38548800	11.78479800	-0.19315514	-0.58016567	-0.06482379
H	19.58191500	8.45645200	11.15392100	0.10232222	0.66961462	0.56981831
H	19.98854100	8.01179600	12.62288400	0.37439063	0.06995992	-0.21284517
O	4.89591200	16.76632300	14.49146800	-1.51106276	1.32475980	-0.42798777
H	5.54650700	16.60853600	15.17544900	0.92029752	-0.58594730	-0.08669377
H	4.86147100	16.17022300	13.72026000	0.69087447	-0.58343024	0.36774797
O	11.24567400	0.02581600	4.11125800	-0.19924216	-0.03925844	0.61610288
H	11.47977100	0.74991800	3.51345100	0.22161195	0.27120810	-0.76113475
H	11.89139700	19.32433300	3.92919200	0.33833590	-0.14656692	-0.11032912
O	12.00232300	4.00584100	8.57395800	-1.71402161	-0.78250829	0.76897653
H	11.07523900	3.61577500	8.52188500	1.61184621	0.81219525	0.16293010
H	12.21815300	4.32949400	7.69071100	0.09328898	-0.02959237	-0.76493740
O	19.59108500	18.46105400	4.12150400	-0.02894913	-0.37408261	-0.51583674
H	18.86305600	18.84306000	4.67313800	-0.15683007	0.38779370	0.36921403
H	0.32139400	19.09824000	4.23397300	0.16950590	-0.02894328	-0.04349765
O	15.08592200	11.41385200	15.02330500	0.11502971	-0.88919191	-0.76038737
H	14.35331000	11.88933700	15.45572600	-0.51694984	0.78085797	0.49472574
H	15.85392700	11.58185700	15.57707600	0.44278064	0.12643358	0.41411922
O	11.52216100	10.06714700	6.21929900	1.02098678	0.35547403	-0.06591536
H	10.70542300	9.73475900	6.58542800	-0.85146859	-0.32142692	0.06175771
H	11.48886600	10.00543800	5.23984800	-0.15419476	0.09041904	0.03120614
O	10.36741400	13.25140000	15.37521000	0.94561195	-0.31290555	1.83378055
H	11.26121500	12.92077000	15.71777200	-0.96891982	0.51134303	-0.77340486
H	10.41909700	13.22443500	14.41597000	0.07994586	-0.09628733	-0.81086679
O	3.79852800	2.45649800	17.62772600	-0.29851227	-0.66028222	0.88491435
H	3.31779500	2.51704200	18.47821000	0.43717162	-0.35395644	-0.20276482
H	3.58268500	3.30883400	17.23480800	0.13539694	1.03984866	-0.33599947
O	16.30139400	14.56669700	17.48604800	0.57821743	0.12217764	0.49087669
H	16.63957200	13.61872900	17.55093800	-0.92495191	0.84392039	0.72290384
H	16.07850500	14.99234900	18.39134400	0.27000273	-1.34476344	-1.11126288
O	10.71727800	3.93773000	4.07765500	0.73793658	0.28194173	-0.76821678
H	9.96258000	3.56255900	4.52929300	-0.52732774	-0.34618901	0.58144677
H	11.45539900	3.91548700	4.73314600	0.04749523	-0.14774675	0.18964200
O	13.75188600	4.43420600	16.90313500	-1.28281586	1.05948293	-1.65555592

H	14.37651600	4.35535200	16.15280300	0.13332342	-0.20042407	0.27094057
H	13.09204600	5.14962800	16.58512300	1.30445852	-0.83659640	0.65089634
O	5.14758300	11.00620700	9.83457000	-0.17121301	-0.00348271	1.10733944
H	4.86040300	11.91496500	9.58810100	0.00565251	0.02386848	0.00979901
H	5.53568300	11.07315400	10.76470800	-0.21340651	0.32140870	-1.32678929
O	6.13371900	4.19288600	14.78136500	-0.88615919	-0.01235381	0.01029750
H	6.89640400	3.81105000	14.35327100	0.90014515	-0.57457851	-0.57476418
H	5.50016800	3.43827100	14.83469300	-0.07560373	0.30334443	0.13480322
O	8.32335900	18.74671900	18.40320800	2.32416195	0.86685500	-1.10021971
H	9.25347800	18.36565800	18.18338400	-1.27394448	0.31562244	0.51992566
H	8.55797200	19.68806500	18.10301000	-0.86191767	-1.08011329	0.35340933
O	17.04789400	1.29600900	8.68118400	-1.35651291	-1.13324715	-0.45799624
H	17.96101000	1.20041900	8.43627500	1.43958333	0.47231173	0.01004559
H	18.12625900	4.00271700	11.41832400	1.74885942	-0.40395060	1.03133682
O	7.81400700	17.77204300	0.96154200	-0.01077997	-0.15471054	0.65203932
H	7.50534500	18.32472000	1.72922500	0.06314444	-0.36805389	-0.97592349
H	7.88747000	18.27612300	0.11469500	-0.09507652	0.45204955	0.35165749
O	13.29218700	13.14578900	16.06942400	-0.54285367	-0.67812478	1.37722256
H	13.20731500	13.32616800	17.04926100	0.38756742	0.06831722	-1.15821494
H	13.42232500	14.01395600	15.56740900	-0.19413484	-0.23983861	0.42994868
O	0.43837200	5.74655100	5.79235000	-0.40840017	-0.81513315	-1.12937043
H	0.63717700	6.64567500	6.06079800	0.78112631	1.29017232	0.60329995
H	19.78980600	5.93181900	5.08284900	-0.37338960	-0.40655996	0.18750498
O	14.57055400	18.11099100	11.79155200	-0.28341284	0.31313155	-0.74946645
H	14.05073500	17.77681400	11.00443700	0.44535256	0.06834185	0.41483650
H	14.85967400	18.99623100	11.47311400	0.19941766	-0.29736256	0.18766848
O	13.73584000	6.70661900	2.46893300	-0.95935838	-0.29326436	-0.75077887
H	12.88957300	6.19756800	2.22300200	1.20201665	0.46242719	0.36526349
H	14.02621000	7.14652100	1.61688400	0.23473952	-0.39216185	0.40587667
O	7.60128200	5.11246000	2.02367000	0.49567975	0.16298964	0.65679383
H	8.29356400	5.56130900	2.59835700	-0.45996688	-0.22206829	-0.43297241
H	7.39879500	4.26020000	2.50005500	-0.23161718	0.37978946	-0.32526304
O	13.72424700	9.35302700	17.93055700	-0.84041163	0.38918716	-0.59076325
H	13.77667900	10.32626900	17.99900100	0.01172181	-0.21999149	-0.07053696
H	12.86705200	9.24310600	17.43540600	0.61477150	0.20939145	0.50445837
O	15.94490200	15.55832300	9.99932000	0.56251422	0.05976944	0.94957538
H	15.84847500	16.13172300	10.78422300	-0.92834530	0.46704738	-0.27885026
H	16.81780600	15.23223400	10.28062300	0.33880833	-0.73075572	-0.80284023
O	4.53049400	19.73411600	13.76045900	-0.31141485	1.39538761	0.83047862
H	4.75065500	18.89975700	14.21675100	0.26490144	0.09619046	0.41960766
H	4.36850600	0.46875000	14.44586800	0.25607259	-1.60498322	-0.85143005
O	9.43697800	4.33345900	17.14442600	0.78011816	-0.83414163	-0.01958686
H	8.59680800	4.76089100	17.00738900	-1.01625610	0.87868471	-0.16515641
H	9.89207000	4.86538300	17.82196400	-0.20298673	-0.07021540	0.30077185
O	17.20546500	6.29114300	7.56549100	-0.53599246	0.51863437	1.26130566
H	16.25592600	6.52332700	7.58575600	0.14678358	0.17814421	0.35217910
H	17.25176000	5.79824200	6.75739600	0.40985828	-0.78302747	-1.59551918
O	8.62792100	2.03995300	13.50864800	-0.53166934	0.50921716	-2.20690784

H	8.82406100	1.89012600	14.41101200	0.24820423	-0.83602164	1.77275376
H	8.12850800	1.27518100	13.13085300	0.10649001	0.41373601	0.50445048
O	10.30003500	13.44006600	3.11494400	2.82225344	2.80629638	-0.46158521
H	10.15662400	14.46877500	3.09805100	0.24345455	-1.39369078	0.22842687
H	9.44588600	13.10886600	3.22531100	-3.00139058	-1.00018438	0.68639181
O	17.61045300	15.98744900	6.70584500	0.21151190	0.03241136	-0.51525764
H	18.37640600	16.21683700	6.15447400	0.44131699	-0.73666944	-0.44500338
H	17.57928800	16.86595900	7.10814700	-0.65935514	1.00550237	1.10262779
O	11.93895800	5.98187500	11.00241300	1.09182771	-0.16061908	-0.81316736
H	11.84478200	6.92474500	11.17005300	-0.37220869	0.11154224	0.74961794
H	11.18164500	5.46132100	11.28179700	-0.84172115	0.28358247	0.34143931
O	10.59162100	19.25661100	13.31108100	-0.11140943	0.01275699	-0.22071580
H	9.66429300	19.37433800	13.61356800	-0.05592054	-0.21263242	0.26458006
H	10.51712500	18.48024000	12.70790700	0.14238099	0.16276354	-0.11065324
O	14.30761200	8.15134500	11.83259900	0.14510741	-0.10842744	-1.12388576
H	14.39271500	8.18658200	12.78321600	-0.21863781	0.17418269	1.19914262
H	14.70526300	8.98418200	11.50758500	-0.15817482	-0.12318996	-0.33011833
O	15.82082800	6.10856000	18.03182400	-0.65064920	-1.57561627	0.91118917
H	16.16349000	6.60439300	17.30838200	0.66576874	1.14633087	-1.56653822
H	15.43889200	5.30166400	17.59046900	0.42334018	0.81516073	0.57142973
O	5.74144300	15.91415300	0.50042400	-0.52903800	0.23988601	0.16734196
H	4.84383200	16.31917600	0.30796800	1.13089853	-0.05390110	0.00282206
H	6.42168200	16.62994800	0.67124700	-0.72505670	-0.27226084	-0.20587299
O	12.91110700	3.86403600	5.88322900	1.11316896	0.27041380	-0.40720711
H	13.35125300	3.05916700	6.21429700	-0.39972441	-0.15074542	0.16374232
H	13.73845500	4.30473800	5.46834800	-0.99813128	0.21175633	0.23640412
O	15.23893700	15.58224000	19.87310800	-0.45122160	-0.36365102	-0.01397386
H	15.45375300	16.51276800	19.67654200	0.19300889	0.24093549	0.23060846
H	15.51274500	15.40671400	0.79754700	0.38448695	0.20463027	-0.23555336
O	10.84381400	5.28501500	15.08345500	-0.36335352	-0.30946859	0.35776540
H	11.24859300	4.66960200	14.44810000	0.29184029	-0.34167343	-0.07440236
H	10.22737200	4.77812000	15.70239900	0.70549030	0.29878460	-0.43661326
O	10.78986000	1.89729400	11.38175600	0.41130954	0.39973684	-0.09147686
H	11.62940600	1.48056700	11.01145700	-0.74456828	-0.14131389	0.14662341
H	10.43530200	1.27756200	12.04400000	0.19839195	-0.28468778	-0.06066682
O	2.42393000	4.97130800	8.26893900	0.75106056	-0.28609272	-0.11847391
H	2.67710300	5.84394400	8.62732300	-0.36221435	-0.06649552	-0.01618039
H	1.49550800	5.00570000	8.00063100	-0.11469118	0.13321840	-0.06106102
O	2.35742600	7.17214300	1.87681100	-0.36857564	1.17321948	-1.54110681
H	3.17502700	7.68645300	1.85157200	0.39740426	0.11185803	-0.15138873
H	2.42470600	6.58718900	2.61566600	0.02017624	-1.22329917	1.44839750
O	17.44713200	5.79386200	4.61824500	-0.00632465	-1.08485594	0.38489043
H	16.53989600	5.57105800	4.28519600	0.35547897	0.39619161	0.27462707
H	17.70918500	6.69188500	4.39196500	-0.06454525	0.53609165	-0.36152455
O	18.47525400	16.59674600	14.35192800	0.06456559	1.28239442	-0.70159333
H	18.84065600	15.93205800	13.68509700	-0.14150123	0.98770131	0.19122942
H	18.38317300	17.53850600	13.90567300	0.26283630	-1.94583690	0.57523492
O	15.53308500	11.19001400	3.00620600	-0.51910360	-0.52365500	-0.86628679

H	15.12401600	10.40593100	3.44519200	0.11266603	0.03982534	0.18017228
H	15.18211200	11.05644000	2.05029300	0.60226703	0.39109447	0.89274081
O	18.42357400	1.98350700	1.24934800	-0.11143300	-0.34140467	-0.78050831
H	15.17905600	3.64283100	1.74688000	0.06605572	-0.26164841	0.02076393
H	19.30210700	2.42109500	1.28593700	-0.07376102	0.04916961	0.37984885
O	9.32563300	7.30421700	14.36864900	0.59247897	-1.66764771	-0.09292271
H	8.77550800	7.45460400	13.59166700	-0.31388888	0.45414260	-0.86763235
H	9.80588800	6.42468800	14.11818600	-0.36459031	1.50062353	0.80656732
O	17.21704500	18.71814000	7.77216000	-0.19410556	-0.42425458	-0.08415504
H	16.77594200	0.37817400	8.29980400	0.16466589	0.71312284	0.49844746
H	16.32991000	18.53787600	7.41059300	-0.12165627	-0.10974393	0.39460692
O	13.99520500	8.75901300	14.59502900	-0.27698182	-1.19003642	-0.11688381
H	13.39967800	8.34961000	15.26660100	-0.08217427	-0.03140600	-0.16733469
H	14.27912500	9.59082300	14.96696900	0.47461607	1.16607976	0.38367387
O	3.38367700	18.05764000	11.86383500	0.93890977	-1.50649852	-1.56791048
H	2.45640500	18.01275600	11.99179100	-2.04271255	-0.00226940	0.13999895
H	3.63334900	18.69930100	12.50903700	0.78131956	1.57927698	1.23105608
O	7.42661200	6.34473000	15.92662000	-1.10789581	-0.82578722	0.17531267
H	6.87904600	5.68432200	15.41116800	0.49792315	0.58212914	0.42096595
H	8.15397300	6.67900000	15.34601900	0.46797501	0.26436290	-0.35074152
O	0.99719600	3.19567400	1.52746000	0.32320206	-0.99077627	1.49100422
H	1.06347500	3.74094100	0.75703000	0.21133162	1.27050610	-1.37947110
H	1.70835100	2.51748600	1.42585600	-0.26966019	-0.22047915	-0.14525994
O	6.09732100	8.15188900	9.90536600	0.68030923	0.46294179	1.59336159
H	5.52185500	8.00301500	9.16338300	-0.53915415	-0.00743053	-1.02198827
H	6.08592500	9.12427700	10.03837300	0.03894774	-0.60362827	-0.30076428
O	3.82844900	19.02113500	17.79438400	1.24403387	1.56306875	0.68150246
H	4.50235100	18.53039000	17.29335000	0.15425701	-0.58052407	-0.22737235
H	4.44722800	19.73765400	18.17416800	-1.47461925	-0.97981968	-0.57394352
O	18.07356300	10.87025500	5.43710700	-0.84484337	0.55863607	0.26063160
H	17.17399800	11.28130500	5.41493000	0.07862877	-0.57360177	0.70068471
H	18.39382600	11.24947800	4.61702000	0.83934427	-0.03257539	-0.92082947
O	2.53666900	16.51818300	15.84636000	1.33080619	0.85939905	-0.63016426
H	2.01494100	15.83662500	15.39394200	0.26296289	-0.11793211	-0.17926924
H	3.40980000	16.70477700	15.29070000	-1.63256227	-0.75601774	0.72616549
O	8.90269900	8.61649900	4.68685200	0.44756635	0.53976729	-0.30458472
H	9.47459600	9.28436600	4.23470800	-0.11723549	-0.18966064	0.27606903
H	8.00767800	8.98761500	4.56311100	-0.55663544	0.05580082	-0.11902319
O	0.45536300	9.41311900	1.65557400	-0.57745881	-0.40853471	1.01514648
H	19.74719400	9.39165500	2.34771500	0.23217023	0.10973836	-0.61838592
H	1.14990500	8.88078100	2.09855300	0.23920416	0.09306584	-0.45378460
O	2.75881800	17.61602200	4.42821200	-0.96657401	-0.32420616	-0.25378844
H	3.48084700	18.24074200	4.40255700	0.81000090	0.67151888	0.10018374
H	3.18699000	16.74907300	4.51901200	0.22954147	-0.33026209	0.23654556
O	12.76068500	11.34784100	12.37872800	-0.67664005	0.25645269	0.18316914
H	13.10751500	10.61731700	12.91540400	-0.10299362	-0.20578927	0.06739199
H	11.88705700	11.57375000	12.80565500	0.88394591	-0.18865284	-0.52687433
O	18.01925800	8.68284000	10.52143300	0.91556699	-0.82042127	-0.45837833

H	18.34908500	8.65397900	9.56350500	-0.54030618	-0.02951311	0.69788787
H	17.60590400	7.77051400	10.71123100	-0.12661929	0.71336523	-0.17646007
O	5.33962900	7.39415500	0.80190600	-0.36027580	-0.93801899	-0.54060378
H	5.82944300	6.71991400	0.25585400	-0.31695765	0.70050381	0.48621554
H	6.01286800	8.06944000	1.01917300	0.36737629	0.18676169	0.02143476
O	3.22543900	18.25333800	8.93852900	1.24493568	-0.29106568	2.13110080
H	2.34337700	18.55136100	8.71376000	-1.20648033	0.60794517	-0.33946782
H	3.28763200	18.46763000	9.92944900	0.13498619	-0.30590142	-1.28903974
O	13.96330500	8.92583100	4.12102700	0.30551439	-0.02957870	0.59471104
H	14.22390700	8.73988100	5.04973700	-0.12660631	0.13336438	-0.33799547
H	13.95162300	8.04604500	3.67210100	-0.19047437	0.21231948	-0.13303872
O	7.94197100	16.47549800	10.68161800	-0.29291889	0.16844353	-0.74410832
H	8.21857500	15.71206300	10.11096600	-0.22432213	0.07882024	0.16157500
H	7.68646500	17.21886100	10.07324000	0.14923596	-0.32257268	0.24964612
O	2.24047000	14.02555500	18.47722400	0.08843150	0.14349529	0.92310008
H	1.92943500	13.76807600	19.38011000	-0.16029913	0.22807930	-0.23285260
H	3.07525200	13.55194300	18.39550200	0.50249692	-0.16874276	-0.24350900
O	1.06802300	1.04162100	18.47701500	-0.62724839	0.51412142	-0.76311340
H	0.55458300	0.18994400	18.54873500	0.89326738	0.25903203	0.50135103
H	1.64414300	1.16352900	19.24719000	-0.06808193	-0.64366534	0.29515437
O	1.57731900	5.44797600	19.61583100	0.04535161	-0.71455066	-0.36453633
H	2.08965200	5.91486800	0.29978400	0.13982545	0.31202893	0.19572825
H	2.22517900	5.10026600	18.96926300	-0.11344988	0.35981504	0.11231075
O	4.58957100	14.12076400	2.57614400	0.97859983	1.27755285	0.79311247
H	5.16692200	14.89053800	2.28287200	-0.67393033	-0.80120462	-0.48989740
H	4.49427600	14.36541200	3.55459700	-0.42299120	-0.45966713	-0.63918380
O	15.31916100	13.27239100	12.86625000	-0.44259798	-0.70275405	0.34009935
H	15.16611700	12.52157900	13.50380100	0.10021246	0.34538680	-0.31021470
H	14.95459500	14.02458000	13.37064300	0.37335833	0.04722106	-0.15122586
O	19.48697100	15.00763200	12.47522400	0.91771303	1.57032833	-0.71544007
H	19.61254700	15.59288400	11.65188100	-0.12357525	-1.42920549	1.15732363
H	18.89310100	14.28809600	12.26156700	-0.92326740	-0.79143021	-0.82640486
O	12.47240400	7.20025300	16.37877500	1.14023777	0.46531634	0.79755573
H	12.14913900	7.26548600	17.31396900	-0.12184556	-0.03939326	-0.17610008
H	11.85861900	6.59509300	15.97739700	-1.18243978	-0.63066004	-0.97074023
O	18.52122900	2.49959500	4.24138600	-0.46032262	0.57522419	0.66833757
H	18.03991900	3.11303400	4.87042500	0.55738092	-0.85634571	-0.73686997
H	18.28107100	1.58551900	4.51074200	-0.14687698	0.28465019	0.16818480
O	9.09314200	14.11029700	9.81716700	-0.30942983	-0.08181250	-2.04977100
H	9.19786100	13.50721600	10.55378000	0.41323723	-0.65356386	1.42789333
H	8.95057800	13.47534900	9.06424300	0.07467985	0.91391760	0.45651277
O	15.09877400	18.36097000	14.62613700	0.73438967	0.20678974	-0.22446138
H	14.91509700	18.18106700	13.68924000	-0.21743105	-0.12395623	-0.29040586
H	14.25100100	18.56376100	15.02745600	-0.88840532	-0.01616687	0.38855669
O	0.27404500	18.45303000	19.17570700	-0.29185359	-0.13961988	-1.06812161
H	19.79430200	18.08031800	18.39864900	0.28913348	0.00788997	0.56159558
H	19.59171500	18.58945100	19.86049500	-0.22977653	-0.04373263	0.43193639
O	17.38207800	5.18950600	14.39818000	-0.84766843	1.61554806	1.68697333

H	16.96773100	6.10570500	14.33585900	0.55054896	-0.90277566	0.18077032
H	17.64624000	4.93068800	13.54083400	0.67252285	-0.46111792	-2.21080278
O	7.56802300	15.64127700	15.30003600	1.03328551	0.43394385	-0.20598439
H	8.53414500	15.93340300	15.31298700	-0.90802910	-0.34548830	0.04435755
H	7.43376700	15.35477400	14.34534500	0.01890364	-0.02139525	0.58790547
O	6.55124700	18.15500800	3.78837100	-0.13663064	1.00373772	-0.44013143
H	5.86015500	18.83562300	3.49109200	1.26623324	-0.94088522	0.54484062
H	7.39922400	18.61944800	4.08389200	-1.03394193	-0.34983345	-0.21661578
O	9.28122800	1.22009600	16.74365200	0.81876622	-1.17216676	-0.25999216
H	10.27939200	1.29963200	16.69190400	-0.78926936	0.36621698	-0.03769160
H	8.92581200	2.10777600	16.71000500	-0.02329655	0.67368461	0.23874522
O	17.09833000	1.62167800	13.21446700	0.57439268	0.03063816	0.33653528
H	16.26873600	1.68569500	12.71675900	-0.31331938	-0.10081692	-0.35784932
H	16.91803700	2.08088500	14.05532200	-0.10032692	-0.19201568	0.14834301
O	14.81031000	5.06764400	4.39093000	-0.21734493	-0.50665670	-0.04738309
H	14.33438800	5.74521000	3.86885100	0.07555823	0.33051359	-0.23906792
H	14.71167800	4.28714800	3.77321000	0.38333368	0.12665027	0.05363138
O	6.08570200	17.43041800	17.05670400	2.77718431	-0.46357243	0.07475828
H	6.91342100	17.89244300	17.43349300	-1.51410869	0.29898693	-0.01206755
H	6.66601300	16.71295500	16.64704300	-1.15716592	0.08919161	0.03217048
O	16.44973800	3.41361500	16.08451700	-0.12969219	-0.83508537	0.80778167
H	17.22712300	3.20391300	16.70174400	-0.94670949	0.32117300	-0.88756562
H	16.72622300	4.02755500	15.36994600	0.58162659	0.32468993	0.16758271
O	16.05823700	15.42593500	14.83512600	-0.99359166	-1.11345905	0.92565711
H	16.91091700	15.77586600	14.57901500	0.82972192	0.73176795	-0.19332206
H	16.16830400	15.05760600	15.76053500	-0.23018224	0.44022793	-0.62657033
O	14.30623900	1.52183000	14.39734500	-0.45837785	-0.00392933	-0.21917999
H	14.77340200	1.94302200	15.14153000	0.33205040	-0.42643494	0.14041515
H	14.57111200	0.57455900	14.36741300	0.19792120	0.53125822	0.21817045
O	10.38044800	16.35547600	15.48085000	0.07599982	0.72939117	-1.21644384
H	10.45904700	15.51525200	15.94447500	0.35511184	-0.68938427	-0.06923717
H	10.77283200	16.21250500	14.57000400	-0.54643307	-0.16408642	1.10016694
O	11.56328700	15.34359000	12.60389400	0.08204328	0.70484913	0.01428706
H	11.10022700	14.53221400	12.35380200	-0.16448696	-0.69741792	0.14289833
H	11.29758100	15.96182100	11.89540200	0.20321332	0.35545185	0.04477394
O	0.22738300	2.35158300	13.70998500	-0.45879276	-0.30132850	-1.28532517
H	19.40646900	1.83757100	13.78813800	-0.38930723	0.03692603	0.08985312
H	0.48055500	2.49441100	14.63667900	0.46627589	0.16380023	0.72296490
O	6.00952000	3.18777600	9.82205200	-0.67581469	1.22791924	-0.75825580
H	6.14928800	4.08893700	10.21724800	0.43230981	-0.58866409	0.10738862
H	5.47660300	3.50210600	9.01631300	0.75302897	-0.93274062	0.59912798
O	5.61403900	1.25576900	6.32817300	-1.42266511	-0.73158771	0.73929234
H	5.37106800	2.12594400	6.69872700	-0.36798348	-0.08039687	0.04628928
H	5.09523100	0.53493100	6.82780300	1.13978695	0.82863730	-0.62942904
O	4.28279700	5.09527100	12.51967200	0.65838151	0.45429368	0.80072808
H	3.94539800	4.25401200	12.17747600	-0.53459243	-0.54603710	-0.47306256
H	4.82109400	4.85305800	13.31254800	-0.09315354	0.11275675	-0.26170571
O	13.49747000	1.35359200	7.58923400	1.27839920	2.77443547	1.15406325

H	14.31064800	1.59522700	7.08300900	-0.07932896	-0.01431279	0.46936802
H	13.21264500	0.60531500	7.14290800	-0.98827922	-3.08976243	-1.65137737
O	2.92676400	9.50116900	10.34643200	0.46256601	-0.00705516	-0.46947379
H	3.69302400	10.17113100	10.12643900	-0.41671994	-1.31731224	0.24368045
H	3.16109400	8.52269200	10.26347800	0.21730545	0.91568953	-0.20275077
O	0.72889800	11.46480800	10.97118200	-0.44066890	-0.14658204	-0.43353562
H	0.58036000	12.13150100	11.65090800	-0.01895363	0.27378361	0.37256893
H	19.84813100	11.40107300	10.54866700	0.21593360	-0.27589096	0.06609350
O	16.13734400	17.57776600	17.92941700	0.49205688	0.36813091	0.15557028
H	16.84749800	17.10147500	17.43446200	-0.47643282	0.59945140	0.28979846
H	16.37934100	18.54382500	17.92165600	-0.18864036	-1.06023466	-0.49044918
O	6.43648100	6.03604300	18.56768400	0.13235264	-0.96404249	0.57982542
H	6.45922000	6.31407000	17.64687700	0.32413949	0.15809609	-0.37683748
H	6.87979700	5.15579000	18.57173500	-0.47234547	0.43829583	0.05346863
O	1.58333500	19.14788200	16.03532800	-0.57409350	1.96027436	-0.07123448
H	2.24248200	19.30034300	16.72557600	0.58090732	0.58169511	0.68143992
H	1.74606800	18.24522400	15.85469400	0.21696050	-2.76668037	-0.49406381
O	6.51178700	10.13241900	4.00796300	-0.55425128	-1.90988854	0.51115711
H	7.08998000	10.50574900	3.38009600	1.32276451	0.58177018	-2.03663699
H	6.25832800	10.89129400	4.49656800	-0.67774838	1.32678580	1.41319303
O	4.29542700	3.59551000	4.46182100	-0.03187117	-0.65951434	-0.10044282
H	4.42025900	3.90493800	5.38013900	-0.01204231	0.11879279	-0.24949492
H	3.55956500	4.12525400	4.05341200	0.30018725	0.08285916	0.57087245
O	3.26514900	11.19660500	19.04978600	-0.36869268	-0.77025594	1.37154337
H	3.46700800	10.27268300	19.34528900	0.16626081	0.40494001	-0.44767134
H	2.53529100	11.38943400	19.69293600	-0.05353370	0.34941137	-0.56578667
O	11.38937400	16.29872700	6.59783600	-0.15934444	-0.37958805	-1.58493976
H	11.34656000	15.90546400	7.46512300	0.22731597	-0.34639362	1.50155749
H	11.77233200	15.52953200	6.08640100	-0.15690590	0.72407643	-0.03231201
O	16.65301700	6.53026500	11.36469300	0.80326937	-0.57478149	0.00755487
H	15.80674000	6.92458300	11.57757500	-0.87420844	0.69899362	0.32168915
H	16.41510600	5.66205900	10.89711800	0.37269203	0.54322402	0.07890332
O	5.99343200	16.49184400	6.07919500	0.91479334	0.00257395	-0.34055279
H	6.04721600	16.90187500	5.16567000	0.01366558	0.09595671	0.77399666
H	5.95948000	17.26213600	6.70864300	-0.51576189	0.01914799	-0.45422262
O	7.37637700	2.72288300	18.80949400	-0.31266710	0.28941509	-0.49229550
H	7.19281500	2.35831500	19.68555100	0.02474090	-0.15703628	0.49076146
H	8.25702500	3.12055700	18.82941800	0.46180896	-0.06207610	0.31430666
O	3.15709200	13.29193800	10.14768600	0.67863696	2.04211089	0.44520465
H	3.59208100	14.12385200	10.57670400	-0.69877143	-1.62966073	-0.34241053
H	2.62257000	13.74893400	9.46019000	0.11093011	-0.52445578	0.11958284
O	14.68310300	17.23974000	4.67973400	1.35904778	-1.25191944	1.08949583
H	14.83853800	16.70580300	5.58842400	-0.58938805	0.66133259	-1.50723718
H	15.57595400	17.25035500	4.23318100	-1.03203138	-0.11802428	0.61427414
O	2.72867600	6.55650700	14.72219300	-0.03855092	0.71197103	0.48221354
H	2.98002600	5.81937400	14.15880200	0.00604272	-0.28630814	-0.80460007
H	1.78641600	6.75445900	14.55761800	-0.49892200	-0.12001766	-0.03359579
O	18.53543300	19.08963200	12.81728600	-4.70007102	-0.36048917	-0.31363617

H	17.85111600	19.77515000	13.15074700	1.38020741	-0.80712671	-0.55175507
H	19.37112400	19.28758000	13.15686000	3.10143815	1.15803059	1.04451049
O	1.40394100	8.36309700	5.86513300	1.44500322	-0.59548246	-1.82951759
H	2.28133200	8.43225200	5.29151300	-1.59452022	0.04033904	1.41224228
H	1.22961900	9.23749700	6.26797300	0.31159832	0.10873796	0.22082558
O	11.91372100	2.06559200	16.75748300	0.37349720	-0.46431332	-0.03755043
H	12.70894000	1.48587900	16.93063000	-0.14155943	0.62020226	0.05683812
H	12.26664000	2.86327400	16.32098800	0.08354364	-0.13195639	0.23900714
O	5.86546900	11.87495800	0.81305300	-0.00833504	-0.46990121	1.81332034
H	5.48636100	12.54633600	1.42362100	0.27910146	-0.00601355	-0.25076374
H	5.59620700	12.15723200	19.94945700	-0.13452908	0.64752872	-1.36853076
O	15.96112700	17.85150000	1.65458600	-2.59835838	0.44114112	0.40769835
H	16.81789400	18.13847400	1.34273500	1.59069999	-0.38481866	0.16802457
H	15.93698500	17.03983100	2.21063100	0.97241861	0.12137318	-0.52421850
O	19.38510300	7.62218800	19.45703100	0.65424597	-0.10739902	1.02806170
H	19.96704300	7.86718200	0.23363200	-0.84078652	-0.05388678	-0.65330677
H	0.04313500	7.54016100	18.71921700	-0.25258568	0.14573280	-0.13705057
O	1.07320200	7.61185300	17.39742900	1.89084962	-1.26175147	1.86415445
H	1.91637600	7.54693400	18.00578900	-1.35067343	-0.37553952	-1.00176280
H	1.36040900	8.42196800	16.96270600	-0.30291769	1.24484262	-1.11345381
O	7.61980300	13.37502400	4.09991200	-0.20518665	0.64700748	0.43947488
H	7.79460400	14.13632400	4.71737800	-0.12631425	-0.66411784	-0.49959614
H	6.82555900	13.64369900	3.59313600	0.20053554	-0.04229714	0.09322461
O	3.99383600	15.01180400	5.12915000	-1.18640772	-0.81092243	0.79407194
H	4.64987600	15.13287200	5.86651400	-0.47730304	0.23989420	-0.54347133
H	3.14329600	14.67646500	5.57304200	1.15254005	0.53219870	-0.48555474
O	19.36645300	15.46020700	3.44219800	0.04048203	0.58863623	-0.11464461
H	19.46792200	16.43671400	3.55094700	-0.08330064	-0.07729004	-0.19100099
H	19.97322500	15.14724700	4.13162500	0.16572823	-0.38272773	0.45335341
O	8.92478100	5.45644500	8.95948200	-0.20667137	-0.94981295	-0.04182822
H	8.40542900	4.71552800	9.36407700	0.33885279	0.73892231	-0.12371866
H	9.39178600	4.95544400	8.22617400	-0.20760696	0.41379065	0.24051646
O	6.68008800	5.65105000	11.11811900	0.75886980	-0.29887722	-0.18807170
H	5.81742500	5.53098500	11.56639000	-0.16116180	0.69935246	0.07336455
H	6.79431700	6.55669500	10.73751000	-0.81023526	-0.39589211	0.29384097
O	19.98790200	1.30909200	7.08106900	-0.23733328	1.51312060	-0.33546421
H	17.86179900	2.42935900	1.89722000	0.28430097	0.10570798	0.52950131
H	19.11750200	1.07877900	6.67396900	0.25721343	-0.23381510	-0.29098407
O	16.27555700	4.34910900	10.15314900	-0.34141766	-0.89841770	0.23306913
H	15.32130300	4.07322900	10.23550500	0.13910120	0.08326626	0.24254615
H	16.41983600	4.48161800	9.21292100	0.22805987	0.27109864	-0.67386374
O	6.35375000	13.71762900	18.59566700	0.51443212	-1.04370781	-0.05682682
H	5.70785000	13.60824900	17.88767100	-0.28138391	0.09816459	-0.73292659
H	6.08620200	14.53466200	19.01500500	-0.09513257	1.00929444	0.72799447
O	9.66753400	6.38378200	3.42146500	0.72511326	-1.19936621	0.43615462
H	10.06786100	5.62281600	3.96492500	-0.20428625	0.64240661	-1.01443011
H	9.47596300	7.06840700	4.08345400	-0.51366716	0.46136583	0.10348192
O	12.34063900	13.85342600	5.29326600	-0.52012650	0.26444257	-1.27069630

H	11.70067000	13.52010200	4.60296400	0.26120841	0.24764044	0.77177230
H	12.34911500	13.22878700	6.03455700	0.10085878	-0.42839754	0.43343931
O	12.18272200	16.95075200	0.32350400	-1.30418118	0.79116134	1.10827797
H	11.33203200	16.47409400	0.10813900	0.61190434	0.03595569	-0.44943843
H	12.92674900	16.49298300	19.96623200	0.84531972	-0.97461170	-0.79676794
O	7.53379900	11.71635900	15.03340100	-0.99804263	-0.75698664	-0.88663019
H	7.43712500	11.16564200	15.82092300	0.04485688	-0.10663534	0.77717132
H	8.26398700	12.28710500	15.22468800	1.47577840	0.87714662	0.23700797
O	10.89739700	10.42978800	16.93969000	0.43765768	0.28230179	1.38071086
H	10.18112300	9.82443000	17.16102600	-0.28074692	-0.09133757	-0.01354503
H	10.96600200	10.38787800	15.98850500	-0.09213120	-0.26147764	-1.37799199
O	13.58554900	17.41932100	9.16924100	1.37288313	-2.46794468	1.15979293
H	13.17272200	18.19657100	8.87667500	-1.54312590	2.22143867	-0.89219082
H	12.87829400	16.75961500	9.33267200	-0.23318866	0.27613533	-0.02997580
O	7.13556400	14.82698500	12.79515500	-0.56432479	0.28134447	0.22358763
H	7.71025300	14.14235400	12.42018500	0.34540271	0.16450614	-0.13395779
H	7.18997400	15.63861700	12.24153200	0.26214467	-0.60208374	-0.27015048
O	13.76678400	13.16031700	10.14356600	1.65959204	1.05698752	-0.68829586
H	14.69264300	13.62878500	10.12591800	-2.14605694	-1.03214002	0.28746667
H	13.64390400	12.76541500	11.02729900	0.19338795	0.19344767	0.26267422
O	0.85595600	19.43969200	8.86132300	-0.21486822	-1.38822947	1.41105620
H	0.46243300	0.14094200	8.35873200	-0.36384835	1.56181434	-1.33050471
H	0.15718600	19.25633600	9.53718000	0.30984822	-0.34225527	-0.17466941
O	19.02626600	8.12588400	4.18308700	0.83219222	-0.20039464	-0.30856610
H	18.60430500	8.93417900	4.51521600	0.08993088	0.15724612	0.36648651
H	19.96831900	8.13599100	4.52846100	-0.89156027	0.42397670	0.11323766
O	14.46554900	19.85663800	5.24262500	0.03634071	0.22222226	-0.43872086
H	14.39908900	18.86760900	5.10304100	0.20603606	0.69287621	-0.01019441
H	14.90377800	0.19384000	4.40390700	-0.38312400	-0.63690164	0.85459203
O	13.69388300	19.67612300	0.22103000	0.33641405	-0.14419930	1.05883592
H	14.25579300	19.31964300	0.95680500	-0.11390666	0.24949119	-0.71139771
H	12.99584500	19.00632100	0.17841800	-0.47424722	-0.51289608	-0.39944340
O	9.09034300	7.86330600	11.66361800	-0.54592259	-0.33166869	-0.89454507
H	8.60030500	8.62176200	11.27433200	0.36191373	-0.20744945	0.08378618
H	8.93297600	7.12295500	11.02364000	0.29983728	0.58847409	0.42823489
O	15.47113800	12.08472200	6.69037500	-0.67333901	0.40082590	-0.22534557
H	14.56339500	11.96537200	7.08341300	0.62778641	-0.04073014	-0.12149643
H	15.30447300	12.84601800	6.08598400	0.27814310	-0.14791482	0.09912869
O	18.44191900	2.90673200	17.94750800	1.29496492	-0.77915116	1.84845875
H	18.76747500	2.18073100	18.57192800	-0.55014245	0.64581217	-1.26512862
H	18.64447000	3.67692900	18.55439600	-0.75110489	-0.01371523	-0.61878882
O	14.82377600	7.88581700	0.12401600	2.39979249	-1.39287014	0.31341181
H	14.23226200	8.10865500	19.41557100	-0.77095375	0.25700845	-1.24606377
H	15.58181500	7.37139500	19.63209500	-1.99578307	1.15806514	1.09247596
O	15.27437900	1.12452900	10.86152100	0.41103762	-1.98298075	1.63747543
H	14.73276100	1.88879200	10.72014800	-0.53532659	1.36576089	-0.63438544
H	16.08083000	1.11284300	10.33290000	0.27833548	0.65181401	-0.73620995
O	8.93723800	10.88077100	8.85905900	0.08479711	0.44421219	-1.39705789

H	8.96736100	10.08806500	8.24018100	-0.31162149	0.16201183	0.35283791
H	9.05382500	11.62504700	8.17095500	-0.17821300	-0.57028080	0.65085441
O	7.34915000	9.25625000	1.28839500	-1.60125192	2.08036291	-0.98618435
H	7.03374600	10.05920100	0.73168100	-0.09708128	-1.17470326	1.59522414
H	8.15885000	9.13891800	0.79498700	1.55164189	-0.58713707	-0.32685234
O	0.03342100	5.17944000	16.31225200	0.55764850	0.86119127	0.64347504
H	0.45984900	6.01466200	16.70607000	-0.55782137	-0.88185630	-0.44784007
H	19.09338200	5.24864500	16.55880200	0.17570628	-0.10278680	-0.05553568
O	0.97316700	10.33529300	13.77729700	-1.59996150	0.31408344	-1.21633784
H	1.16469100	10.24425600	14.74924400	0.49189613	-0.42842602	0.61682165
H	19.96132100	10.37068300	13.64106000	1.14079220	0.29003058	-0.01126645
O	1.77504300	13.86140700	13.65976300	-0.60499916	-0.26485467	0.32626747
H	0.93802300	14.24924600	13.31361100	0.27454915	0.17553128	-0.61126557
H	1.45169900	13.61844500	14.56118000	0.48985392	0.10290165	0.30428061
O	13.72710700	9.00722500	7.50054300	1.09241739	1.81767214	-0.76522572
H	13.67361100	8.13833600	7.83764700	-0.06667529	-2.34101895	0.94783920
H	12.93571000	9.13532900	6.97436000	-0.95784682	0.30612457	-0.37320914
O	9.36442500	13.48364000	18.33021500	-0.60396157	0.47321280	0.76755876
H	8.44845400	13.26043100	18.09358400	-0.44258644	0.03642240	0.13841387
H	9.89160200	13.17986800	17.60463700	0.66099654	-0.49163993	-1.09178604
O	19.85762000	12.40617800	7.29443600	0.55825446	-0.45657308	-1.12415334
H	19.25700600	11.98220100	6.63602000	-0.29636448	0.11138205	0.65323852
H	19.38377800	12.92826200	7.95846500	-0.88730151	0.58141729	0.40709280
O	3.89064900	15.11778300	12.31765100	0.63734721	0.47590265	-0.32576641
H	3.26328500	14.68382900	12.92723600	-0.49540903	0.24664340	0.09728200
H	3.64803100	16.06942000	12.21764900	-0.23204025	-0.42637038	-0.02928246
O	2.22299600	5.01058900	3.58523000	-0.34153759	-0.86825243	-1.19569600
H	1.87849300	4.30683700	2.91241500	-0.23951521	1.31096145	1.38363702
H	1.59511100	5.16516600	4.33850000	0.10089795	-0.42781880	-0.38114761
O	16.52154400	7.59650100	15.38988000	-1.65388981	-0.69464855	-0.24644897
H	16.93210000	8.37563000	15.79761100	0.32517792	0.42706746	-0.11078082
H	15.56075100	7.83292700	15.19994400	0.99361730	0.09133060	0.15715334
O	12.34289600	17.35970900	3.04150700	1.32848509	-0.09292804	1.99350343
H	12.36097700	16.97071300	2.15671700	0.24052576	-0.09116680	-1.01817861
H	13.12680400	16.99567800	3.58388200	-0.90977056	0.64819939	-0.88609201
O	6.55525500	2.86535200	3.22696900	-0.59936338	0.17365323	0.40450972
H	5.65281500	3.07493000	3.62266300	-0.09221418	0.44813684	-0.31883196
H	7.02621600	2.69747900	4.07091000	0.68239850	-0.43992889	0.21279811
O	14.26922200	6.56772100	8.87113600	0.46456420	0.13899338	-0.25235876
H	14.50703000	6.86910700	9.75876000	0.24225097	0.29445858	0.27376367
H	13.46065200	6.08856100	9.05829000	-0.78939511	-0.48614534	0.02137054
O	10.98127500	10.41888700	3.46712400	-0.46149296	-0.95750365	0.40561918
H	11.25547900	11.31251100	3.26738700	0.15577540	0.68263179	-0.33989480
H	11.34155800	9.82524900	2.78583400	0.29922753	0.02482118	-0.09317932
O	0.77998700	15.87603900	9.92783900	-0.10021023	1.72636098	0.02323503
H	0.46612400	16.83903100	9.97128900	0.45599035	-1.39734860	-0.39490510
H	1.58843200	15.87400300	9.34990100	-0.51616669	0.04517610	0.23238733
O	9.52267600	5.35205800	0.00623500	0.39928642	0.07447414	-0.82054469

H	8.65928200	5.26688100	0.43047100	-0.88494005	0.08836711	0.35818118
H	10.12006400	5.22388700	0.76192500	0.53902784	-0.15818654	0.19918828
O	8.43527700	15.26118400	6.70932700	-0.44506908	0.35552781	-0.09789277
H	9.22558400	15.78265800	6.49741600	0.51916876	0.12910948	-0.15863604
H	7.67101500	15.87401300	6.48377100	-0.04915123	-0.63829324	0.04546171
O	18.31430400	11.00314200	13.41632200	-0.48646885	-0.73893292	0.52768226
H	17.96418000	11.76110500	12.88420500	0.49782735	-0.11590371	-0.39505776
H	17.67417100	10.29117200	13.20295000	0.36464814	0.18004289	0.10522968
O	3.61978000	8.02938700	18.47718000	-0.09843726	0.40419741	-1.11749429
H	4.26664000	8.26313900	17.75931200	-0.32747824	-0.16943784	0.49603057
H	4.15537800	7.72549200	19.21908200	0.60491166	-0.12602814	0.81347150
O	3.28432600	15.61815500	8.20240000	0.04556492	0.43774331	0.64859023
H	4.04445700	15.02123400	8.08493400	0.07283031	-0.22706440	0.00359210
H	3.61413300	16.43357300	8.66797300	-0.30031422	-0.43888881	-0.63667674
O	4.32759600	11.24422700	6.01733400	-1.47895962	-0.36219327	0.42767230
H	3.72571200	11.61083100	5.31783900	0.05554064	-0.15405143	0.05955870
H	3.61561900	10.84546400	6.63170400	0.76525009	0.69634743	-0.83361812
O	19.92873400	5.83489500	9.81799100	0.46792761	1.62321935	-0.94199507
H	19.72764600	5.43987700	10.65292000	-0.40516930	-1.62722214	1.62167251
H	19.64802200	6.74788300	10.04435500	0.04596889	-0.13033728	-0.75421061
O	19.28064000	0.52694500	15.92002500	0.29519658	1.71815375	0.51665623
H	19.58604000	1.36603800	16.38337100	-0.67412987	-1.09647563	-0.55659410
H	0.08294300	19.97373600	15.96650400	0.43902084	-0.49767559	0.03855646
O	1.72956300	9.91210900	16.14990200	1.06919630	-0.75792528	-0.55195007
H	1.24806200	10.59159400	16.71819500	0.25581491	0.11759899	0.06457398
H	2.73500700	10.03480500	16.11834100	-1.00829630	0.67595456	0.65556673
O	14.65654900	10.18084300	9.73647000	-0.71264039	0.38935451	0.41848181
H	13.91268500	10.72867300	10.06341600	0.57518498	0.19635004	0.27529665
H	14.15479100	9.76175800	9.00333200	0.31646077	-0.46027468	-0.56928962
O	6.73223000	0.78144800	1.63078000	-0.25136276	-0.09164817	-0.26264830
H	6.51705700	1.50920100	2.30069900	0.74420920	-0.39894730	-0.36231303
H	7.68324300	0.58710500	1.67757000	-0.18120806	0.37075771	0.22746560
O	11.10558500	7.30867200	18.70365500	0.00979815	0.46274825	0.03369840
H	10.61220800	6.58603300	19.16412900	-0.39292959	0.65437717	-0.02957966
H	10.63427700	8.17837700	18.83887500	0.17697745	-0.98418795	0.22170526
O	18.46785200	9.26274100	16.05489300	0.44726468	2.14239475	1.59274381
H	18.53212400	9.36337600	17.05415000	-0.08160738	-0.85406523	-0.83680861
H	18.57174300	10.25035700	15.91793300	-0.14692869	-1.04063036	-0.68252241
O	3.04460600	16.83699800	19.58589900	-1.11275559	-0.77605009	-0.42675180
H	2.41814300	16.12375500	19.27262300	0.86838454	0.56678854	0.34617930
H	2.98142100	17.49053400	18.85580600	0.40274196	0.18299053	0.19441226
O	2.98085000	6.61089100	10.31285600	1.08642981	0.81573907	0.00262309
H	2.03932500	6.51269300	10.48314800	-0.79607742	-0.14710730	0.42555765
H	3.47717300	6.32520400	11.11038200	-0.34018833	-0.00085910	-0.05730393
O	10.76496900	9.73215500	14.08321700	0.13627843	-0.46641148	0.38032251
H	10.12291400	10.33268300	13.69206800	-0.37936699	0.31631105	-0.22262442
H	10.28520500	8.86717000	14.17205300	0.32304561	0.34603198	-0.03641662
O	12.99074600	16.49974100	17.36529000	0.03547419	-0.11508542	0.54517694

H	13.89655600	16.64330700	17.68350800	0.15687552	0.15017285	-0.04118281
H	13.10566500	16.47214100	16.40648500	-0.13211966	-0.15060254	-0.39353680
O	5.94165100	9.07676200	7.31069200	1.24974592	-0.10805811	0.43215122
H	5.71380500	9.96364800	7.62066100	-0.38554290	0.32641296	-0.12027233
H	6.86831100	9.01948600	7.68515600	-0.74919027	-0.25981807	-0.61799702
O	0.10141600	11.44339200	17.33084300	-0.26061810	1.90936233	-1.66172391
H	0.32273700	11.38387800	18.26614800	0.15628425	0.40105241	1.21070077
H	0.33190800	12.42822100	16.98243700	-0.09224927	-1.65034793	0.79110773
O	7.26543400	5.97488200	6.68689100	0.18020982	-0.65115833	0.23959090
H	7.91970400	6.02143400	7.42991000	-0.38794097	-0.02897112	-0.02599662
H	6.87827600	6.84785900	6.64659800	-0.27125940	0.76594868	-0.15431469
O	1.42191900	0.84533800	4.56594400	0.91290114	-0.71031799	-0.63064677
H	0.67043700	1.34912600	4.26744500	-0.83287046	0.74575618	-0.60008465
H	1.37801600	1.00091600	5.50893400	-0.10340501	-0.02304856	1.08199757
O	0.85816000	13.88846400	16.32228900	0.26944498	0.10340539	0.43662933
H	1.59331000	14.12411800	16.99037600	-0.74125091	-0.62071806	-0.48943788
H	0.14010600	14.50222200	16.63999400	-0.07793733	0.28148489	-0.34383355
O	17.60801700	12.76557700	11.54947600	1.11672037	0.26260892	0.05618622
H	17.50950400	12.35691600	10.66368200	-0.38104422	-0.06965835	-0.30320489
H	16.73600800	12.84035000	11.97503800	-0.94046348	0.55668685	-0.05816903
O	11.15357500	7.70519200	8.69139300	-0.36179087	-1.28962380	0.23571617
H	11.37669500	8.46642200	9.23152200	0.34409812	1.43438486	0.20734864
H	11.10046100	7.01793400	9.40051500	-0.13647253	-0.21133900	-0.83121530
O	1.64384400	14.02636200	1.26863900	1.78146200	0.52651158	0.35710375
H	2.53895400	14.44803100	1.53303100	-1.58974353	-0.76923186	-0.23483919
H	0.95986300	14.68090700	1.46200100	-0.08089701	0.48800002	0.30305009
O	10.65911100	12.41692800	0.60067900	-0.84630445	1.73940204	-1.09902050
H	10.13263000	13.10108200	0.03906900	0.86567988	-1.54231838	0.35785170
H	10.53847400	12.85137500	1.47809400	0.25530967	-0.30118729	0.30137176
O	2.73821500	3.49263200	10.85898900	2.45014679	1.47141304	-1.46343872
H	1.88988500	3.29337000	11.16519300	-2.56296844	-0.53917410	0.79727969
H	2.61566600	4.21217100	10.15928900	0.00611256	-1.21868025	0.67056390
O	11.26362000	8.01916300	1.58492300	-1.14239487	1.40769987	1.29592459
H	10.65420100	7.43944800	2.09336700	0.14133849	-0.30430526	0.10849515
H	11.75914300	7.46401300	1.01200700	0.74616266	-0.93404615	-1.08355984
O	0.53811400	17.08417300	6.77762800	-0.17485202	0.33088465	0.04717871
H	0.87176800	17.45303300	5.94240200	0.12766472	0.04286686	-0.28681599
H	0.50229300	17.86423300	7.36201700	-0.08552350	-0.07502566	0.21598090
O	0.61963300	11.64970700	0.09017800	-0.24577360	-0.62708903	0.72826890
H	0.30036900	12.40801000	0.60115900	0.11246409	0.27798697	-0.25888334
H	0.43622400	10.92105300	0.76211400	0.37623611	-0.04070642	-0.69623348
O	2.84756200	0.98986800	0.87065400	0.54869518	1.07592957	0.19365321
H	3.64103000	1.21279200	1.40891500	-0.36027241	-0.43517980	-0.36873408
H	2.54112300	0.09819100	1.18235400	-0.16103618	-0.33121909	0.15815722
O	9.28357400	4.64186200	12.06407500	-0.79235394	1.53861155	-0.27227993
H	9.28577700	3.74982200	12.40097300	-0.31208121	-1.02043647	0.27196286
H	8.32617300	4.93763800	11.99393100	1.06395373	-0.49087232	-0.05561338
O	12.69285000	0.33357400	10.11170200	-1.12545768	-1.08431704	1.92286805

H	13.09186100	0.76805700	9.36224600	1.14275354	0.42346039	-0.74111669
H	13.35073600	19.98327400	10.76186700	-0.31327282	0.74914202	-1.13463713
O	14.60360200	15.78342700	7.04196000	0.24990824	0.14104435	-0.05489600
H	15.50460900	15.71937400	7.40274700	0.12904615	-0.25365158	-0.09130113
H	14.16349300	16.29224800	7.75677300	-0.15023724	0.28311957	-0.06824946
O	18.95039600	15.78461500	16.97751000	0.43128063	0.93832807	-2.05746725
H	18.19850200	15.20476100	17.14679000	-0.92307031	-0.23019389	0.22262141
H	18.79244200	16.12038600	15.99072900	0.26314348	-0.45722937	1.79671475
O	11.69186400	18.95163500	7.52266800	1.12531603	-0.80220749	0.68760434
H	11.49749400	18.11112800	7.08159100	-0.01325406	-0.25077122	-0.37600229
H	11.04429100	19.59364500	7.27173800	-1.01113167	0.96914848	-0.35537149
O	3.65200900	8.71283000	13.13581200	-0.77765704	0.14081754	-0.56031282
H	3.48189500	8.22996300	13.96590000	0.18509576	-0.32190511	0.13331873
H	4.52706700	9.13380700	13.12622700	0.49049383	-0.15066082	0.34738888
O	6.39675600	0.70940300	11.87480100	1.32672156	-0.03228987	-1.00510612
H	5.84852700	0.59154800	12.65003900	-0.91176332	-0.28533656	0.63346532
H	6.08237000	1.45684800	11.34030100	-0.23790356	0.14449639	0.10750895
O	15.82112900	2.74092100	6.31384400	-0.26813956	-0.62012202	-1.04205303
H	15.93968400	2.04442600	5.59083300	0.25010959	0.89484880	1.68540502
H	16.33669300	2.51717100	7.12457300	0.10608368	-0.60257580	-0.57414716
O	17.38711900	9.33145700	18.91395200	-2.42396902	2.09690321	0.88009177
H	16.96193500	9.73018600	19.75456600	0.99412627	-1.02920247	-1.59335650
H	18.03388400	8.68544900	19.18121100	1.34534781	-1.07648046	0.84779120
O	11.48606400	10.32621000	9.61705200	0.13013802	0.67659775	1.99313242
H	11.51778900	10.59662200	10.59826200	0.32956144	-0.53537588	-1.46168814
H	10.58265200	10.64561800	9.38595500	-0.14238429	-0.08457075	-0.13856877
O	1.73428900	10.65833100	7.31910600	2.02752632	-1.62803730	2.21796578
H	1.91242600	10.42970600	8.29562800	-0.26225337	-0.02253216	-1.75357694
H	1.08964600	11.35687800	7.43731900	-1.16222640	1.35819108	-0.21931679
O	5.72612300	8.45625200	16.43038700	0.43171887	-0.21437842	-0.46886513
H	6.40618800	7.76173200	16.13730600	-0.67627658	0.60012608	-0.06066488
H	5.44275200	8.96657900	15.63843500	0.27689303	-0.43175933	0.57165983
O	3.43412200	5.04090500	16.81419400	0.67087908	0.73063203	0.66621684
H	2.91592500	5.53133000	16.12638100	0.31110232	0.18047229	0.36571666
H	4.07210100	5.71434700	17.19910200	-0.97111022	-0.86638958	-0.52203397
O	12.22691900	1.54526900	1.78166200	0.23628234	-0.06375859	0.39970400
H	12.55635500	0.87032400	1.12572800	-0.05914093	0.53241898	0.30146765
H	11.49741100	2.00177800	1.33018100	0.04600481	-0.19741453	-0.45478497
O	3.74775700	2.54186500	14.49564300	0.85533248	0.36384886	0.63509774
H	3.09435200	2.71195700	15.22673100	-0.25124468	-0.41587747	-0.78541035
H	3.33091800	2.10124500	13.74786200	-0.64368442	0.00159484	-0.03171564
O	3.16219500	11.65120800	12.33455800	-0.26478512	0.44255244	-0.28839885
H	2.88925500	12.21175600	11.55509900	0.54316749	-0.30111811	-0.38304114
H	2.70791400	12.18982800	13.01279400	-0.07515413	-0.13352899	0.59149468
O	16.12436300	0.38415100	3.14806500	0.92325624	0.68030392	1.75570733
H	15.71880700	1.13204800	2.72840500	-0.59190907	0.93004280	-1.01718943
H	15.99740300	19.58683400	2.65641800	-0.34299200	-1.31280193	-1.15564657
O	18.68341300	14.38105500	8.70098100	0.10893366	0.66455560	0.77690898

H 18.12746000 14.89395700 8.07910200 -0.13659035 -0.06420050 -0.47389952
H 19.23028900 15.11452500 9.08869500 0.13079024 -0.79062821 -0.18548720
O 14.31640200 0.67972100 17.63012300 -0.12772253 0.85062725 -1.47980595
H 13.96076600 0.38938800 18.46659700 0.38306402 -0.50309763 1.15337065
H 15.29465300 0.70123600 17.60678500 -0.40996780 -0.25465483 0.05286943
O 5.25173500 6.36761800 3.76108700 1.00722770 -0.13355454 -1.34279782
H 6.12021700 6.26244000 3.25928700 -0.83740774 0.10909766 0.73407433
H 4.65609100 6.15890400 3.00757900 0.07729526 0.10790658 0.46914335
O 4.24413600 10.87095300 16.69168700 -0.15925423 -1.19052155 0.25922858
H 3.90839400 11.20292900 17.56111500 -0.07931081 -0.13878366 -0.16746681
H 4.48974100 11.63978600 16.20033300 0.33271171 1.26401075 -0.94112577
O 7.34277800 10.47701300 17.76487200 -1.10342335 0.89732634 -1.88676889
H 6.77093700 9.75108900 17.40690000 0.40909567 -0.06961265 0.85414682
H 7.89169800 10.25055000 18.49478300 0.66493098 -0.98875291 0.94682038
O 10.03994400 16.30609500 3.62205700 -0.78243978 -0.98077653 0.15619716
H 10.94811700 16.66329400 3.54981500 0.68039662 0.25257881 0.04745932
H 9.55675100 16.89149500 3.02918100 -0.47351825 0.15776468 -0.21320583
O 5.33919300 18.72419900 7.43865600 0.59333436 0.44904842 -0.23652935
H 5.92146300 18.97303000 8.17856500 0.71129976 0.10132497 0.18518904
H 4.50661800 18.58807600 7.92191800 -0.97808626 -0.35698814 0.26020796
O 9.79633900 9.63082500 0.03719700 -0.12984710 -0.97056270 -0.35435656
H 9.90970600 10.59195500 0.01216200 0.56361605 0.48985553 0.46740435
H 10.40935600 9.19490400 0.70834400 -0.33069728 0.49911092 -0.45572181
O 7.44725300 19.10698100 9.48962100 -1.28157538 -0.79024253 1.45770080
H 7.94989300 19.87426800 9.17601700 0.39280063 0.77980757 0.17003644
H 7.05071900 19.36465800 10.39118700 0.73806300 0.12215990 -1.42383799
O 13.48232600 13.13340100 19.42433200 -0.61791752 -0.51089498 -0.11695214
H 12.58937700 13.04826800 19.81710800 -0.32868073 -0.36288063 -0.02944073
H 13.77002900 13.97702400 19.78159100 0.65251840 0.71550398 -0.06365944
O 14.77279200 3.13476300 2.48026100 0.37633678 0.33461831 0.14019622
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O 17.70930900 1.07929900 6.67061300 0.35802551 0.49792348 0.08959054
H 17.25232300 0.37641000 7.14710500 -0.26684413 -0.66065707 0.38286268
H 17.79005400 0.75694400 5.76240900 -0.12436690 -0.01634283 -0.35915163
O 13.48360600 19.77438700 13.58760500 -0.17387925 0.58872560 -0.09670283
H 12.74042900 19.53911400 12.98836300 0.07866748 0.16603382 0.45409103
H 13.41214700 0.75748100 13.68804400 0.26654046 -0.68217394 -0.08227884
O 7.51938500 1.85019700 5.73511500 -0.75328306 -1.21501933 0.00945898
H 6.62155800 1.73610200 6.15726200 0.43606480 0.32113465 -0.40245316
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O	16.90597000	11.57407400	9.21571800	-1.40651606	-1.51883531	1.08832168
H	16.77291300	12.15587400	8.46875600	-0.19959834	0.72152148	-0.94561441
H	16.01559400	11.07514700	9.31878600	1.42718280	0.81445764	-0.02760268
O	14.48849800	3.73884700	10.47719700	-0.83898992	0.57249245	1.25400441
H	15.01054100	4.56815000	10.38546900	0.01502366	-0.13042073	-0.37041858
H	13.67621300	4.04338900	10.98511800	0.74773976	-0.44598904	-0.82417778
O	6.06748800	8.78007400	13.26109300	0.05130997	0.19942871	0.06858247
H	6.67229300	8.89405700	14.01643700	-0.23176777	-0.25067503	0.31717160
H	6.55308900	9.34474500	12.61689300	-0.26863960	0.05140056	-0.31734944
O	3.60283100	10.16560300	1.58122100	0.52058617	-0.31477617	-0.45300974
H	4.14530800	9.52713100	1.02890500	-0.18403276	0.29594704	0.12819946
H	2.81445500	9.66636800	1.84375400	-0.27611225	0.12511277	0.21657616
O	9.32100700	17.67281700	19.12469900	-0.82140795	-0.25209296	-0.27376255
H	9.15393300	16.81146200	18.68342200	0.17186254	0.28835289	0.22443465
H	8.49718000	17.81745500	19.77541000	1.35888355	-0.43068927	-0.61409519
O	1.28972400	14.47108200	4.89136800	-0.32577619	1.85287508	0.91964171
H	0.87981500	15.14464200	5.52334100	0.37480958	-0.59824049	-1.17170443
H	1.35341100	13.71159600	5.49387000	0.02783817	-0.68840927	0.35770630
O	5.32125100	11.79300200	13.71817900	0.17077969	-2.69097145	2.25018318
H	5.80962800	12.32102800	13.10262400	1.37705607	0.99774328	-0.88197729
H	5.92269100	11.03213400	14.06054200	-1.16390775	1.65810895	-1.01837146
O	12.25406000	19.49610300	16.33298500	0.56513719	-2.14940238	0.49105645
H	12.64176800	19.64273600	15.45118700	0.01585237	0.07067604	-0.51393128
H	12.43922700	18.48755800	16.46166000	-0.47022915	1.91121638	0.03730514
O	16.37026200	18.93806300	15.15514700	-0.87903899	-0.01676719	0.57112959
H	16.08331700	19.61940600	14.53005100	-0.11758196	-0.03366076	-0.15684675
H	17.16717100	18.51574100	14.76058800	0.39978031	-0.02938466	-0.30207556
O	8.13790000	7.24062800	8.21753400	-0.55152226	1.01634640	-2.08207023
H	8.37988600	7.62086200	7.30370700	-0.44172148	-0.36545248	1.17791851
H	8.90500700	6.66158000	8.35298300	0.42302940	-0.77006932	0.75427315
O	7.37090500	10.66733100	11.62190200	0.39999989	0.12285821	0.36973332
H	8.01526900	11.25276700	12.10117500	-0.07777181	-0.30473419	-0.27494423
H	7.86458300	9.97851600	11.12108300	-0.02834067	0.18700681	0.36540199
O	17.85041600	17.66508700	1.80553500	1.06165246	1.00779160	0.36161966
H	17.79647100	18.30042800	1.06544500	-0.27236183	-0.04520413	-0.36254882
H	18.51246300	18.19502300	2.33430100	-0.34923004	-0.90365906	-0.02461808
O	2.27431600	17.99671200	19.75711300	1.13322449	-0.21314863	0.96961764
H	2.34754300	17.89240600	0.77263200	-0.10774899	0.18425411	-1.45309226
H	3.19825700	17.74298500	19.47585300	-1.03865720	0.30415950	0.50564320
O	1.85006200	19.12115100	14.07902000	-0.58911406	-1.33285956	-0.10968745
H	1.76847600	18.70494700	15.00425000	-0.05741908	0.97872885	-0.92361614
H	2.19618400	0.02901600	14.15100500	0.51869813	0.37829714	0.28590690
O	9.88793500	2.39290100	19.74803700	-0.46162903	-0.60336113	-0.24548012
H	9.95379000	2.28861700	18.78643200	-0.10783446	-0.56322130	-0.78540540
H	10.42031100	3.17011300	19.85864400	0.78995789	1.32311355	1.02791136
O	9.19255200	17.55900400	10.52683500	0.02967443	-0.04965428	-0.26526126
H	9.05552200	16.61908900	10.25930900	0.30058348	0.47348287	0.19957908
H	9.73175800	17.97042800	9.80861900	-0.40439564	-0.43665447	0.10467374

O	0.06930600	4.99161500	14.10382400	0.68801273	-0.40743430	1.29021282
H	0.12291600	2.15128700	8.35176800	-0.39445435	-0.17651424	0.16318044
H	0.30666500	4.25920800	14.77814700	-0.36212724	0.69724063	-0.91169703
O	15.01561500	13.51328200	4.81409200	0.27367740	1.02362013	-0.52891949
H	14.31417100	12.85007700	4.61807700	-0.02332183	0.07511856	0.45616000
H	14.81258700	14.13653800	5.56446900	-0.52502253	-0.61727880	0.06227969
O	8.10797400	18.49070500	13.83478500	1.62156403	0.30230890	0.95516666
H	8.48660700	18.50887900	14.77173000	-1.06462779	-0.02782875	-1.07705203
H	7.20286200	18.16916500	13.86128200	-0.52453117	0.00684978	0.34751637
O	13.52945800	3.67054300	19.05640200	-1.14256424	-1.10796221	-0.72511757
H	12.74131900	3.82711300	18.47352600	0.70309999	0.33966392	0.46734325
H	13.60195700	2.68172700	18.96069500	0.43132323	0.76232107	0.14607985
O	9.70168400	3.69065000	6.45166600	-2.04939053	-1.06772440	-0.98880013
H	9.00616800	2.95432800	6.25103100	0.74011755	1.48704121	0.50305301
H	10.45818800	3.08865700	6.53356300	0.95988625	-0.41973310	0.41201711
O	5.67856700	2.89093800	18.46778900	-1.50899972	-0.92222745	1.16149073
H	6.33607300	3.60119300	18.51820000	0.08563777	0.43827375	0.29550353
H	5.09519600	2.88155800	19.34630600	1.61001459	0.37337510	-1.82565323
O	15.34254300	11.87330800	1.50633500	0.27942848	-1.20558158	-1.38881337
H	15.59276100	10.99020100	1.05248000	-0.44710322	1.27915341	0.88803503
H	15.10067700	12.44965600	0.73448800	-0.00859734	-0.21016894	0.39876369
O	11.75971000	3.48744300	11.75327100	-0.46645856	1.10069518	-1.46863612
H	11.36261700	3.97232400	12.49146300	-0.01701925	-0.23998878	0.58872751
H	12.34890400	2.80013000	12.02623800	0.40256512	-0.85566493	0.99197642
O	4.18122300	14.15493000	17.59064700	0.31885218	0.02148606	-0.09317262
H	3.45331700	14.56850400	18.06356000	-0.54025026	-0.23883020	0.70999778
H	4.41430100	14.88168100	16.98560500	0.42995362	0.18063654	-0.69357454
O	3.66847100	13.71328800	7.52379500	0.67927640	1.17536052	0.40642472
H	2.83320000	13.55307800	7.98143300	-0.19666336	-0.48709224	-0.27513819
H	3.80839700	13.08800600	6.81275100	-0.41147737	-0.54449529	-0.43357535
O	19.32763500	10.44240800	8.56448900	1.07430187	1.25819677	0.99192086
H	18.50341400	10.72563500	8.98743200	-0.62136352	0.97231789	0.44775142
H	18.94142500	9.72189600	8.12680700	-0.48156279	-2.42463849	-1.46362838
O	8.88071500	19.19491000	5.24414900	0.30956533	-0.12330129	1.23282496
H	9.13342400	18.82871400	6.15191700	-0.25752163	0.29214366	-0.99297068
H	9.74789400	19.58916100	4.95853700	-0.22231990	0.01875587	-0.26407004
O	4.69652800	3.29075100	6.91721800	-0.93008191	-0.90494403	0.15131761
H	5.47473100	3.85199000	6.83225700	0.26092488	0.64150646	0.40110781
H	4.10558600	3.53555200	7.71367700	0.91001442	0.20071770	-1.10171111
O	18.68191100	5.12160400	7.79936600	2.10954395	-1.99973775	1.55658404
H	19.54806300	5.57814700	8.04843100	-0.95104315	0.08440395	-0.33610566
H	18.17316100	5.66780000	7.24441900	-1.26262770	1.98340484	-1.22741650
O	17.76316600	12.74650200	2.88529000	1.07828252	0.46338330	0.49656832
H	16.93441600	12.43154400	2.52425900	-0.80802196	-0.16643495	-0.62390349
H	18.15427600	13.37550400	2.24177200	-0.18244590	-0.30704783	0.03807642
O	4.88062700	19.69282500	3.71660300	0.11768882	0.12684961	0.18647301
H	4.19927900	0.15556700	3.20204400	-0.01348292	0.32273913	-0.41283109
H	5.00002300	0.26532100	4.52054000	-0.43290189	-0.53817748	-0.07078568

O	8.92393300	13.19696100	7.78543700	-0.44305931	-0.32159231	0.84007775
H	8.28377100	13.71234100	7.26394300	-0.22440045	0.21139774	-0.28988249
H	9.76395800	13.35650700	7.34546500	0.70438675	-0.02984409	-0.51734106
O	3.78711100	8.49932500	4.63346700	0.99534144	0.00660088	0.31284961
H	4.08806800	9.45043800	4.56550500	-0.37173257	-0.79049001	0.07103542
H	4.62039600	7.96247200	4.83716200	-0.74455348	0.70533923	-0.36155604
O	3.07996000	2.78825100	16.05748200	1.34968049	-0.32008108	1.06249160
H	2.10355600	2.74976900	16.05081900	-0.73171758	-0.02041984	0.24876042
H	3.37929600	2.35746300	16.91575800	-0.73708593	0.45749272	-1.10414798
O	13.35160200	14.92804400	15.49976400	-0.06305655	0.23771159	0.57221517
H	14.19251300	15.38099700	15.27929400	0.06604158	-0.06726469	-0.65711435
H	12.71506800	15.09953400	14.78489800	0.16789338	0.19721657	-0.26553140
O	16.78177300	11.89148500	17.07780600	3.28220650	0.83306423	-0.10234920
H	17.40906100	11.60500500	17.81557500	-0.86208577	0.53848464	-0.71922320
H	15.90809200	11.61760500	17.21997500	-2.58114876	-1.32495138	0.94903072
O	11.22979800	1.47727100	6.97068600	0.94951914	-0.28713121	-0.83757254
H	12.09017000	1.79451100	7.35355200	-0.48647145	-0.52690652	-0.21889324
H	11.49186100	1.00208500	6.11930700	-0.32161946	0.50686999	1.17226726
O	8.51876100	0.75043200	9.73424300	-0.37347698	-0.63312616	1.21317148
H	9.25846000	0.43549500	10.33550000	-0.87827422	0.28382953	-0.57841937
H	7.67459000	0.45084400	10.18801700	1.47727659	0.23639743	-0.52654417
O	16.07381800	1.92771200	19.71961200	0.13974576	1.35797742	0.83644623
H	15.63312700	1.28751300	19.16974800	-0.58675054	-0.56108583	-0.85333020
H	16.72621900	1.41518400	0.20988500	0.70864920	-0.43300091	-0.03299686
O	18.40847800	4.56252200	0.19995800	-1.53104694	-0.12597920	-0.59526245
H	17.47461500	4.64907000	19.78564100	1.59977882	-0.00802485	0.56142653
H	18.71329100	5.49266000	0.20479100	0.14593680	0.24723464	0.04234722
O	10.97111500	4.56053000	0.91171800	1.28481348	-0.22471653	2.23076705
H	10.98971200	4.25442500	1.91487100	-0.01934001	0.49856893	-1.90866026
H	11.91770700	4.85344800	0.76908200	-0.96468598	-0.25650076	0.02173368
O	11.92171800	15.31256200	9.85356000	0.97576935	0.37095090	0.36287374
H	11.14673600	14.82930700	9.58684800	-1.10512401	-0.32151835	-0.29182992
H	12.61075000	14.62300500	9.84804500	0.29554919	-0.09275070	0.09185305
O	19.65798400	8.08506500	15.12567100	0.79796869	-0.15882541	0.87676468
H	0.22361900	8.64159000	15.71718500	0.29199180	-0.14774859	-0.22298389
H	18.81696300	8.49234400	15.38660700	-1.19297070	0.37412375	-0.27684468
O	18.99051500	17.80321700	10.17846400	0.32121139	0.27111089	1.05292364
H	19.17963800	18.33958200	11.02265500	-0.14463219	-0.46226907	-0.95609858
H	18.05768800	17.98902900	9.97272900	-0.09475930	0.00908037	-0.02685224
O	12.92733200	12.38286200	8.05805800	-0.40468188	-0.54794841	0.60832206
H	12.97127000	12.33702500	9.05285200	0.07015596	-0.46576694	-1.25345152
H	12.55141000	11.53495200	7.67454100	0.38311630	0.83690578	0.63230350
O	15.78345400	15.16765100	2.57012300	-1.56399795	0.42006734	-0.82639690
H	16.65984700	14.92993800	2.85158500	0.68090700	-0.60625240	0.69730163
H	15.12344900	14.59637400	3.03770500	1.06427000	0.24201706	0.14325580
O	0.67083900	8.26509500	12.80126000	1.49203010	0.48885157	-0.43434444
H	0.06754900	8.12395900	12.04783700	-0.63101747	0.03835797	0.09890796
H	0.19910000	8.21543300	13.69168100	-0.36401197	-0.25348264	-0.14498793

O	4.89659200	16.02347000	15.55615800	-0.26605958	-1.17468677	-1.27208412
H	5.68066200	15.42243300	15.40329100	0.00289044	0.51751059	0.25045539
H	4.39519400	15.78273000	14.68054400	0.66063956	0.62499550	0.92869257
O	11.33914500	0.06071700	4.16485500	-0.47384269	-2.13562807	0.38149009
H	11.40629300	0.73831700	3.49987900	0.12911772	0.78564888	-1.00389638
H	11.25396200	19.14839700	3.67880500	0.45019005	1.49151448	0.65287798
O	12.72031400	4.40594700	7.88692600	0.38578928	2.07561275	0.63861937
H	11.94216700	4.05073600	8.30659600	-0.38269553	-0.60315468	0.05995734
H	13.16857000	3.79138200	7.30789000	-0.41454601	-0.96026417	-0.32575493
O	0.28150600	18.92095400	3.76352200	0.90291465	-2.34278283	-0.56315996
H	0.64705200	19.76387400	4.01334600	-0.05008177	1.64819775	0.39653438
H	1.12976000	18.44343000	3.45526400	-1.32955326	0.47446451	0.00089543
O	14.09058800	10.87244000	14.73312700	-0.11407317	0.56620829	-0.68962733
H	13.55262200	11.29372800	15.45471200	0.20283237	-0.46482242	0.03431503
H	13.84315300	9.94327300	14.59642100	-0.05071616	0.08304620	0.56208378
O	11.87701200	9.90730100	6.84952000	0.81497907	-0.61447561	0.53724553
H	11.79773700	9.06178600	7.34456700	-0.09178000	0.22252499	-0.03703805
H	11.41778400	9.75468400	6.00473200	-0.26649375	0.47835740	-0.24342160
O	10.06197000	12.84913400	16.36521700	-0.71041710	-0.27032883	1.88216811
H	11.03485900	12.82375100	16.37640200	0.35041989	-0.10069395	-0.44215452
H	9.64421300	12.91658500	15.50750300	0.34558688	0.12404980	-1.26096301
O	4.09249600	3.18613000	0.73409900	0.64339823	-0.60707766	0.88018737
H	4.60213400	3.44009300	1.52714700	0.20447826	-0.45597099	-0.06272271
H	3.70174100	4.03826900	0.54972000	-0.77658535	0.95268564	-0.84386925
O	16.51639700	14.80757800	16.90019800	0.24917293	2.31423796	1.87242131
H	16.41697900	13.88673600	17.06581700	-0.03795071	-2.04865448	0.10271368
H	16.53908900	15.19282300	17.87485500	0.03221710	-0.88374470	-2.00778912
O	11.20928700	3.50654600	3.71743400	0.43560138	0.27411075	-0.51445297
H	12.07812000	3.52598900	4.20110300	-0.60995007	-0.09288391	0.10197607
H	10.50759900	3.65344000	4.36968200	0.09175345	0.01904920	0.44923985
O	13.86965200	2.46555200	15.22130400	0.48485183	-0.96939667	0.02886597
H	14.63569500	2.53705500	15.86852900	-0.22734748	0.21998661	-0.39852961
H	13.36818800	3.27471200	15.32244300	-0.35773222	0.91732673	-0.00733280
O	5.45939100	11.61261400	9.99116900	0.09547224	-0.61244082	-0.57197623
H	4.81365600	12.30573000	10.10836600	-0.72429763	0.62300166	-0.02568290
H	5.87271700	11.48199900	10.85976400	0.39328882	-0.11763568	-0.05824259
O	5.99086000	2.83934700	15.24932300	0.46960278	-0.34059812	0.81029229
H	6.12124900	2.39215800	14.37140200	-0.09551717	0.27466405	-0.25150706
H	6.17594300	2.11844400	15.90614200	-0.32809010	0.40048887	-0.37114113
O	10.35880100	2.07929800	17.09815200	0.03211922	0.20633546	-1.15159584
H	11.17926600	1.95591400	16.59176100	0.48593951	-0.47453594	0.45154721
H	9.86043300	2.56657000	16.40088700	-0.44285683	0.26263498	0.46685713
O	16.74399600	0.92265500	10.19488000	0.20790102	0.62770115	-2.42391920
H	16.43486200	0.50671500	10.97019100	-0.52720937	-1.01509669	2.24913895
H	0.27809600	4.65843600	13.21621700	-0.23581342	-0.14027318	-0.02525257
O	7.50224800	18.13349700	0.74959800	-0.58568483	-0.94601620	1.43213004
H	7.62237900	17.92785300	1.74475400	-0.39708474	0.13900773	-0.93978954
H	7.54337300	19.10041600	0.69496900	0.27765962	1.31465855	0.03246963

O	12.95171100	12.56353800	16.65355300	0.56097649	0.48770901	1.34947622
H	13.32009600	12.71665300	17.58028400	-0.55138554	-0.65837255	-0.79816577
H	13.21788000	13.44770300	16.29831900	-0.16584272	0.03323588	-0.66866318
O	0.54976900	3.89370000	5.96498500	-0.77721197	0.79987218	0.12907458
H	1.14632000	3.60671400	6.67854700	-0.30067013	-0.02924333	-0.05203208
H	19.71357200	4.24259000	6.42024400	1.21969155	-0.48272921	-0.29510843
O	15.81132500	16.91314700	10.05046200	-1.52296973	-0.19735706	0.33911756
H	14.83110300	17.08857500	10.00233100	1.01280525	-0.73741074	0.15773492
H	16.08397900	17.73038300	9.15249200	0.29222064	0.34594804	-0.05980246
O	13.60809300	7.20093300	3.03699400	-1.14955891	0.47506289	-0.01266571
H	12.59821900	7.28963200	3.16636200	1.53074352	-0.33001689	-0.18642851
H	13.73777800	7.17512400	2.06015300	-0.20026697	-0.38878972	0.08859399
O	8.05958100	6.20518400	3.03995500	0.31521976	-1.10527081	-0.55537267
H	9.00123900	6.18132400	3.29416100	0.28190002	0.50413307	0.24279423
H	8.03939100	5.46049100	2.36655400	-0.55688120	0.69683661	0.09807270
O	14.71925400	9.93349500	17.71139100	0.98782988	-0.00890213	1.46116590
H	13.90398700	10.28834800	18.11318400	-0.60840587	0.05426374	-0.31426711
H	15.23308100	9.75153100	18.55750300	-0.27369918	0.05303070	-1.29510759
O	16.66259600	14.60380200	8.90140200	-0.23734842	0.83737337	0.26272106
H	16.38728300	15.46353900	9.37346700	0.25136719	-0.59349294	-0.17024860
H	17.36669000	14.85105500	8.25068100	-0.34563798	-0.28974940	0.17643678
O	5.29908800	19.57034700	14.45731100	1.44865630	0.40597083	1.60139833
H	5.76183200	0.09782500	15.20676800	-0.92245326	-1.08439918	-1.62329882
H	4.66035800	0.18638600	14.08307300	-0.42745787	0.64485655	-0.11597041
O	7.49903600	5.31621900	18.06196800	0.07295214	0.22758082	0.32406165
H	6.94191600	5.94678000	17.56430600	0.06030556	0.04974308	0.10230430
H	7.98660900	5.89353000	18.73491300	-0.05736547	-0.50614652	-0.64087786
O	17.42617200	7.88436700	8.38021500	1.43389555	1.07753216	-1.19679637
H	16.74194300	7.57745200	8.95037700	-1.49064112	-0.58300158	0.39544024
H	17.08955800	7.88802000	7.44037900	-0.01752630	-0.48904714	1.11298752
O	6.51101200	2.14377300	12.76430400	-3.16150495	1.34447225	-0.30000703
H	7.41181000	1.93995500	12.87291000	2.37982358	-1.37677248	-0.19840770
H	5.93103800	1.57509300	12.19557900	1.03685255	-0.16570574	0.41299757
O	9.62576500	12.16739500	2.59655600	-0.52426312	-0.07961262	-0.02931249
H	8.93594900	12.13676500	3.31732700	0.23608948	0.29841314	-0.44127018
H	9.06784000	12.24452200	1.77255500	0.33392180	-0.41458840	0.68671772
O	17.01529300	16.90436600	5.87984900	-2.97319183	0.21125867	1.29201480
H	17.88454600	17.24308800	5.98261100	2.12040016	0.61748890	-0.07722510
H	16.62218100	17.25276400	6.75522800	0.32917098	-0.44597646	-1.27118262
O	11.61339200	7.05624800	11.74880200	-0.43012495	-0.89944060	-0.34760695
H	12.48711000	7.42091700	11.88933900	0.74921779	0.50734977	0.38636049
H	11.86381100	6.17551200	11.39701100	-0.44487214	0.22394028	0.04797436
O	10.95166000	18.02186400	13.33303500	-1.31961085	0.05735231	0.10901262
H	9.97578000	17.81617900	13.24101200	0.95209209	0.22521471	-0.08062550
H	11.36684900	17.15353000	13.18004100	0.09371965	-0.50700027	-0.20753887
O	14.58534800	7.78323100	12.00500400	0.42497954	-1.95089902	1.19349028
H	14.47306500	8.21515500	12.85419500	-0.13122375	-0.22033907	1.24426523
H	14.35887000	8.44045400	11.40689900	-0.37155053	2.30431024	-2.75102313

O	16.10235200	5.39985500	18.74671000	-0.34646109	0.09007249	-1.47625348
H	16.21233200	6.10771100	18.02500900	-0.15503245	-1.15705798	0.98573153
H	15.75290300	4.59818600	18.25839000	0.26918969	0.78254100	0.48704680
O	5.22366400	17.08695000	19.64299200	-2.40916473	-0.92508203	-2.12945754
H	5.02353200	17.51274300	18.75072900	0.67188002	-0.51240497	1.13506232
H	5.95724900	17.51589200	0.04587000	1.79376700	1.40210850	0.78850025
O	13.32206600	3.07417400	5.66242000	1.64998790	-0.75778426	-0.74511239
H	13.48440300	2.08349700	5.50222600	0.12235789	0.99996858	0.40838372
H	14.26734300	3.42709700	5.71675900	-1.18588979	-0.45224768	-0.28201535
O	16.20193900	15.42029600	19.53164100	-0.41697835	0.15326880	-0.70384941
H	15.96569000	16.36775600	19.37889500	0.25115578	-0.00536120	0.53844442
H	16.73345000	15.29748600	0.33076500	0.17991967	0.15971639	0.35178650
O	10.15231800	5.15529400	13.63712400	-0.12864262	0.03480599	0.42722566
H	9.55635500	4.94206200	14.41165700	0.20443918	-0.17825691	-0.63137640
H	10.01168500	6.09359100	13.42254400	-0.01261662	0.15212584	-0.08817495
O	11.06655100	0.18578800	11.69767300	0.74412648	1.35872051	-1.45358052
H	11.81918400	0.18488300	11.00214300	-1.21010682	-0.52914867	1.02614038
H	10.82486500	19.28171000	11.95291900	0.40387591	-0.80481213	0.03723620
O	3.18097500	4.20938200	8.75564800	0.31751930	2.56897129	1.27265761
H	3.84894500	4.81900500	9.24067800	-0.88870164	-1.24044969	-0.80718552
H	2.56573900	4.92106400	8.38509600	0.28409347	-0.92407175	0.12337448
O	2.59113900	6.89274200	2.55528700	0.21051285	-0.19107783	0.01666698
H	3.13497500	7.39161700	3.24868800	-0.61398560	-0.80705888	-0.49200696
H	2.50844200	5.91206700	2.74253500	0.12524590	0.94464577	0.55899950
O	16.95547900	6.91427100	5.86323800	-0.37543747	-0.79289252	-1.17622159
H	16.53686300	6.29633600	5.18092200	0.36281776	0.88388542	0.73449500
H	17.60773800	7.50950100	5.39151800	-0.05423843	-0.58589301	0.24123640
O	18.41188400	17.57746500	14.18166500	1.00447620	0.94086530	0.42311915
H	17.86416200	16.87880500	13.85681100	-0.95707170	-1.14145628	-0.62013613
H	18.67663400	18.12885300	13.39773200	0.09826327	-0.09729401	0.33253558
O	13.83414300	11.33556700	3.83794300	0.70769298	-1.29579956	0.80314686
H	14.40291100	10.55114700	4.17836800	-0.49915035	1.37946061	-1.15831224
H	14.19227400	11.57970100	2.94698900	0.23627386	-0.41371900	0.01399645
O	18.40816500	0.41916800	0.35568500	-0.08807078	-0.26263896	0.31794981
H	15.45114100	2.82382100	1.78007400	-0.22179102	-0.05658906	-0.05016072
H	19.04330800	0.23704600	19.58587800	-0.39596240	0.35578324	1.21531747
O	7.12692400	5.62582400	13.32978800	0.31660970	-1.08540187	0.12963084
H	6.23733600	5.29573700	13.58707000	0.08700991	0.02266675	-0.26371883
H	7.66377900	4.78037900	13.35936500	-0.57866308	1.08094600	-0.18837173
O	16.26981900	18.59178000	8.41864400	-1.04660334	0.77883369	-1.13659485
H	16.39484000	0.29847600	9.50575400	0.48323351	0.03690826	0.07807029
H	15.33108500	18.71992300	8.10340400	1.08499463	0.01443300	0.10178350
O	13.58033400	7.61860600	14.51526500	-0.45202404	-0.36480224	0.42058918
H	13.29202000	6.65932900	14.33574700	0.10751835	1.38742409	0.73791789
H	12.93223200	7.95850800	15.23374900	0.80398246	-0.66848837	-0.74781022
O	3.71866300	18.16488100	12.30600000	-1.81133695	-0.74387427	-0.08280537
H	2.93865500	18.34505100	12.92308900	0.57542835	0.36094585	-0.20066240
H	4.46186600	18.61130500	12.70262400	0.85590280	0.31953192	0.37980778

O	6.32926700	7.31946000	16.21223400	0.79428107	0.26134484	-0.00020249
H	5.48773800	6.85345600	16.28121400	-0.61086199	-0.58794478	-0.15121768
H	6.83006000	6.92110900	15.47190000	-0.30272632	0.04315343	-0.05666433
O	0.94999000	2.99688400	1.08296400	-0.08445472	0.39693489	-0.47755831
H	1.42694800	3.66772100	0.53442500	-0.20685434	-0.27338729	0.08625067
H	1.48041800	2.18323500	1.11724100	0.15939324	-0.38376303	-0.11764714
O	4.89800000	8.13532400	9.66732100	0.45507541	0.42333817	-0.07648226
H	4.63865900	8.60121300	8.81712200	0.57310599	-0.27573035	0.35839469
H	5.79022200	8.51682200	9.87828300	-0.84420772	-0.05661026	-0.12045683
O	6.64851900	0.68722300	16.94259600	-0.96911778	0.10819099	-0.03181750
H	7.60742700	0.57915800	16.80074500	0.23617633	-0.09203683	0.51733809
H	6.40500400	1.36377100	17.63674900	0.58443511	-0.15304183	0.02152028
O	18.83580600	11.29349600	5.03028200	0.22337101	-1.02920723	2.37061435
H	18.00919200	11.45860600	5.58241200	0.06188705	0.20171845	-0.01773205
H	18.54386500	11.64322400	4.20899600	-0.63113388	0.93799065	-2.20449981
O	1.80101100	15.53018300	15.72737100	-1.47767441	-0.15677960	0.10569719
H	1.83779700	14.94094300	14.93630500	-0.11847682	0.13616245	-0.03814351
H	2.67860300	15.75697900	15.99787100	1.22781877	0.01885858	0.05325250
O	8.85621300	7.70842500	5.51344100	0.29612765	-0.07935141	0.35757315
H	8.73356300	8.65171800	5.72893000	-0.13333329	0.28879614	-0.22862488
H	7.97017400	7.40413200	5.23060300	-0.22120664	0.32811921	-0.15322455
O	0.45228100	8.77146400	2.46750600	0.86178057	-1.63369673	-0.39052481
H	0.04938800	8.55546900	3.33060000	-0.23715983	0.24222104	0.16512424
H	1.05607900	7.95099400	2.35459200	-0.39848194	1.23217958	0.35765839
O	2.59995400	17.93071700	2.57135000	1.84115431	1.28003453	1.51516394
H	3.30582300	18.40266000	3.18182700	-1.56777264	-0.64636333	-1.59377908
H	2.89203400	17.01810600	2.76414900	-0.19065355	-0.70216562	0.22102553
O	11.86763400	11.30456100	12.48051100	1.42839379	-0.76187279	-0.08053218
H	12.62176500	11.22486500	13.15599200	-1.59143409	0.21099765	-0.54730537
H	10.96972800	11.51051200	12.85520600	0.48068172	0.40249754	0.54336687
O	18.59642400	7.80992700	11.09789100	-0.10996520	-0.10775738	-0.73203845
H	18.52882800	7.81572400	10.11195900	0.20516875	0.33268520	0.17235334
H	17.89062700	7.17321400	11.31603500	-0.20992374	-0.30011624	0.17025758
O	7.08972300	8.79511800	2.35544800	-1.28978333	0.39043262	-0.72484631
H	7.40447100	7.91209200	2.64299400	-0.26472618	-0.13938904	-0.32567689
H	6.29355000	8.67828100	1.72411200	1.67174718	-0.02289892	0.90172238
O	3.29306600	18.69201300	9.42958100	-0.09893966	-0.67036769	1.49806334
H	2.35681900	18.74696200	9.09131100	-0.12916151	0.38784241	-0.33595240
H	3.19203900	18.23221200	10.32217200	0.48006498	0.82111507	-0.90615662
O	16.00840000	9.20388100	3.81622400	0.51559149	1.43340778	-0.03693896
H	15.86270400	8.88439700	4.70753200	-0.17287606	-0.30948130	0.91777933
H	15.72619700	8.48729100	3.26774900	-0.57355877	-0.98237000	-0.77441787
O	4.48116600	15.75349300	9.78844500	1.13221759	-0.10346597	0.16925629
H	5.25319400	15.49905400	9.21702900	-0.85870204	0.20106049	0.36150663
H	4.91346900	16.29067400	10.49648500	-0.24002637	0.00745088	-0.37094488
O	1.95327400	14.08074300	19.99505800	-1.20425274	0.07765938	-0.75881946
H	2.65348800	14.51694200	0.52814900	0.54830126	-0.65963337	-0.40395492
H	2.26622200	13.31224400	19.47137800	0.71206883	0.13868919	0.79517529

O	2.18585800	1.42455700	18.45897900	1.50583026	0.90949110	-0.02236101
H	2.22656900	0.49104600	18.64665600	-0.43581897	-0.80443098	0.17226743
H	1.28509200	1.72338300	18.37628700	-0.98758853	-0.29147698	-0.04464817
O	2.08692700	5.24794100	19.93556600	0.48168371	0.58035682	0.23991972
H	2.42515500	5.89158000	0.58539600	0.05268531	-0.16760537	0.68604026
H	1.97828600	5.90085000	19.22843900	-0.49529182	-0.18727648	-0.84582947
O	4.31081700	14.73057600	1.29650600	-0.24000548	0.42365361	0.68604664
H	4.62121300	15.58436200	0.92597400	0.09575555	-0.24435841	-0.18578033
H	4.07622400	14.96635400	2.23875300	0.20967824	-0.05372408	-0.38831605
O	15.46520400	13.45788400	13.30718900	0.16566896	-1.53128727	2.83103482
H	15.23799200	12.68351100	14.02518700	0.69296717	2.49011992	-2.19634168
H	15.91719000	14.20599300	13.82509100	-1.05303621	-1.12157578	-0.80948293
O	19.32466700	15.20775700	11.60608700	-0.47489790	-0.19012521	-0.32404488
H	19.12735000	16.09739300	11.14840300	-0.52744271	-1.56610676	0.52855918
H	18.61312500	14.47632400	11.54224400	0.63847986	1.63967681	-0.44985159
O	12.44436600	5.20058400	15.08129000	-0.31762238	-0.48712426	-0.69245764
H	12.04080800	5.28706400	15.95428700	0.04808135	0.11229021	0.65713510
H	11.62459100	5.19000600	14.50187400	0.33454726	-0.08431414	0.06380441
O	18.57068100	2.69215500	2.21165300	1.06217553	-0.89003575	-0.27040946
H	19.00211500	3.28827600	1.53368600	-0.83231431	-0.16245942	0.60726446
H	17.77851500	3.09024300	2.54269800	-0.89516413	0.85874245	0.04010602
O	8.91404000	14.57535400	10.38293800	0.19218774	-0.05006594	2.05675038
H	9.18893400	13.98079300	11.15358600	-0.30917259	0.70823362	-1.18842042
H	8.90658700	14.05137500	9.57903300	-0.07005206	-0.89909041	-0.87807843
O	16.16997500	18.61725600	11.98308800	-0.21655600	0.75691056	0.39504411
H	15.97494400	17.94412800	11.25570800	0.06872205	-0.31177847	0.09959664
H	15.33928200	18.79261400	12.46766600	0.22654779	-0.23443157	-0.03440908
O	19.66799200	19.42922000	18.31906300	1.05756236	0.53403176	-0.12283190
H	0.54297500	19.41153900	17.85709800	-0.27889991	0.45839520	0.05833590
H	19.40942600	18.53581000	18.10222600	-1.01588485	-1.12015573	-0.02673618
O	17.60648500	5.22244100	15.87725400	0.75843031	0.14012164	-0.89733066
H	17.04724100	6.01411700	15.65995400	0.24568397	-0.14938747	0.56252385
H	18.41007600	5.32141800	15.29264400	-0.96251584	-0.37069990	0.19937533
O	7.40393200	14.28165300	14.93513100	-0.55846082	0.19721092	0.38169422
H	8.14659100	14.89804600	15.01126200	0.39489807	0.30375917	0.04629380
H	7.51897200	13.93702000	14.03123200	-0.20333419	-0.07967280	-0.03034096
O	7.03473000	17.82843400	3.44814100	-0.03477102	2.35784804	1.31254848
H	6.30947400	18.55812600	3.47607600	0.70421191	-1.18724215	-0.45454290
H	7.73187100	18.33660900	4.00984100	-0.56490948	-1.13826501	-0.65362455
O	8.71533300	3.96473100	15.59409000	-0.91508765	-0.08181063	0.85483059
H	7.86768500	3.44219000	15.61370800	0.16796301	0.07108357	-0.83838325
H	8.45158400	4.60317900	16.29670300	0.48584727	0.10437872	0.28066308
O	18.61688200	2.21334600	13.66751700	-0.68940163	-1.41470407	0.38232967
H	18.68948700	2.87060100	12.97606600	-0.21773873	0.51642661	-0.46295575
H	17.70437400	1.80930800	13.58200400	0.91316374	0.85228001	-0.07475775
O	15.22998000	5.16661500	4.18719000	0.81074045	-0.66160609	0.81024717
H	14.67686300	5.76986400	3.67459500	-0.63085459	0.35824577	-0.39640419
H	15.22803500	4.28272400	3.74429100	-0.10223492	0.52488636	-0.19353494

O	9.10289500	19.12781500	16.61885100	-1.12617890	-0.56495861	0.35432136
H	9.93513500	19.55600000	16.78113900	1.43341931	0.80421077	-0.32098280
H	8.98020800	18.71251300	17.51234600	-0.14338828	-0.24579778	-0.16373850
O	16.17918000	2.83602400	16.57371500	-0.93466099	2.12390867	0.14609944
H	16.67510000	2.02860900	16.61580100	1.27799011	-1.44951818	0.29158467
H	16.80694600	3.58160900	16.39058500	-0.30243542	-0.38744141	-0.34269628
O	15.92582800	16.09300400	14.70859900	-0.24972884	-0.94881824	-0.16370509
H	15.73344600	16.98512300	15.02988700	0.08677932	0.52257848	0.04271256
H	16.15714300	15.53586400	15.50954200	0.23420470	0.63805253	0.21180261
O	15.66877200	2.14207700	12.83409000	-0.13286086	0.18917281	0.57758008
H	15.19779100	2.55116200	13.61583600	0.20654550	-0.28239204	-0.86738220
H	15.43978500	2.63877700	12.01764500	-0.11098074	-0.03514183	0.35751533
O	9.93901600	16.03655600	15.31716600	0.05250259	-0.55710033	-0.92643221
H	9.71099100	15.88409200	16.22388100	-0.16317980	-0.61602284	1.51738978
H	9.90484600	16.98956300	15.27889500	0.21852735	0.96166639	-0.31968131
O	11.78823100	15.32286200	12.74134500	0.88417954	0.67103665	-1.04081116
H	11.15637500	14.72027500	13.12312500	-0.87703199	-0.70523516	0.03890413
H	11.79216200	15.19856400	11.73543600	-0.13106557	0.13788662	1.15453405
O	0.33706500	2.88127700	15.90656900	0.30108511	0.65952608	0.93966031
H	19.78100800	2.28834600	15.35223200	-0.33292619	0.18328916	0.59832796
H	19.94675300	3.03374000	16.86335800	-0.11712351	-0.94844865	-1.86099825
O	6.28006200	2.64740600	9.42049900	-0.26391863	0.50709260	0.85941453
H	6.01660200	3.60134800	9.51147800	0.29079213	-0.78394639	-0.53003926
H	6.71237300	2.47783000	8.57611500	0.12376628	0.44624586	-0.34927861
O	4.82639300	0.46359900	6.32283900	-0.03474316	-0.10581776	1.34702925
H	4.09254600	0.96919200	6.79195400	1.34232587	-0.83445135	-0.55689727
H	5.20939700	19.76053800	6.94125800	-0.95603113	0.81185231	-0.64342412
O	4.35711900	4.43975500	13.62486400	0.28620940	1.55430631	-0.12609004
H	3.99801700	3.87091700	12.93552400	-0.23377923	-0.46870271	0.19246597
H	4.43121700	3.97888300	14.46986800	0.01447360	-0.90769713	0.12712025
O	14.01187600	1.78735800	8.63906600	-0.13207749	-0.37315271	-0.47815698
H	14.15312400	2.54352500	9.23138700	-0.06581021	0.64993853	0.68730281
H	14.65340800	2.01106000	7.94334500	0.11005247	-0.41544142	-0.28517882
O	2.93885900	9.61662400	10.91998400	-0.74631887	1.18947009	0.12990803
H	3.11395100	10.44048400	10.36390200	0.10484648	-1.54760136	0.54554084
H	3.52851600	8.86376900	10.70117000	0.24148681	0.41613482	-0.40749464
O	0.63818000	11.49864400	10.95881800	0.10920778	-0.86773573	-0.94626660
H	19.72651300	11.73792200	11.21699100	0.09881132	-0.09023129	-0.27752327
H	0.58028300	11.00579100	10.06493900	-0.23432317	0.80234321	1.51992377
O	15.78171300	17.77644900	18.36885300	0.94899204	0.01736315	-1.13130389
H	15.47572000	18.70505300	18.32273300	0.13178149	0.17027209	-0.01268326
H	16.50741200	17.67457400	17.66316600	-0.85791908	0.18445961	0.94544781
O	5.23651700	5.99657200	0.20525100	0.98879061	-0.47293320	0.65801535
H	4.89757600	5.85462000	19.31502900	0.00716040	-0.52482921	-0.70188730
H	6.13401200	5.51545600	0.26087300	-1.38983391	0.62873948	-0.17093591
O	1.56628200	18.58119600	16.63822000	0.27771949	-2.42511522	0.87737058
H	2.50192500	18.41384300	16.96100600	-0.24503794	0.76359337	-0.27585327
H	1.18727600	17.65229800	16.78553800	0.23536089	1.38528167	-0.41963135

O	6.74816300	9.93029100	5.17057500	-0.58307394	-0.39447378	-1.41747622
H	6.49626500	9.68068400	4.21538200	0.55057807	-0.04950927	1.49367297
H	6.95941200	10.87835300	5.03588800	0.27445578	0.33134950	0.05194533
O	4.40261900	2.91414300	4.28070500	-0.37743855	0.45672666	-0.14232071
H	4.29089300	3.15419300	5.24470800	0.34968563	-0.35242465	-0.23128747
H	3.75811500	3.51102600	3.83563000	-0.17922213	-0.47251019	0.10983559
O	3.40094200	11.65389300	18.94667200	0.19909202	-0.57744510	1.80167955
H	4.20014600	11.26583500	18.57622500	0.34791763	-0.02316142	-0.80314044
H	3.56854800	11.34684400	19.88713600	-0.85645992	0.40914358	-0.62674678
O	9.36537000	15.46715000	4.11056800	-0.13171175	0.47451894	-0.43481944
H	9.91505100	14.73184300	4.42321700	0.50681000	-0.08111613	0.08265063
H	9.97758400	16.22684100	3.89668800	-0.17372022	-0.46156061	0.25170081
O	16.20998000	5.97741100	10.92104500	0.45933586	-1.01440447	0.77273332
H	15.49108600	6.51050000	11.37536600	0.68629550	-0.29038225	0.14850580
H	16.51982900	5.24124600	11.53498200	-0.60927608	1.29263490	-0.66626545
O	5.41133200	16.47145700	5.82857300	-0.17266715	-0.19451667	-0.05754049
H	5.90805900	16.97147900	5.16663200	0.35624009	0.44705771	-0.49671211
H	5.54012200	16.98597000	6.66598400	-0.18025530	0.15486717	0.09167848
O	7.32604500	4.33597400	1.13045700	-0.36063447	0.31758705	0.80679643
H	7.95643000	3.80208600	0.63540200	0.29518211	-0.53157821	-0.30658637
H	7.00434200	3.76304900	1.88617100	0.31948676	-0.23145239	-0.49769217
O	3.16429900	13.37820000	10.50375100	0.44183454	0.73409066	-0.04764947
H	3.67506000	14.23374100	10.39178700	-0.29840120	-0.40077379	0.06497194
H	2.31461500	13.56517400	10.08003300	-0.44120115	0.02738419	-0.22782825
O	13.47098400	17.65028600	4.80327600	1.01225496	0.23408223	-0.58126772
H	13.75266600	17.14672500	5.58470500	0.14552676	-0.00109241	0.01074846
H	14.26970500	17.70431700	4.15442300	-1.24647224	-0.38203334	0.74458396
O	2.73345300	6.57137900	14.55538500	2.01834505	-0.14555545	-0.26838082
H	3.47253900	5.92559600	14.25906000	-1.44095579	0.74051288	0.29893953
H	1.91329200	6.07267000	14.49879600	-0.83297745	-0.44914074	-0.19043467
O	19.56058900	19.27990500	12.42772700	-0.49239259	0.56201085	-0.60808199
H	19.14825400	0.14979600	12.19055200	0.54598235	-0.52185560	0.55469319
H	0.41081900	19.41324400	12.91471100	-0.07199823	0.04795049	0.18781538
O	1.75939900	8.45930000	6.94683000	-0.54620012	0.51146067	0.61705762
H	2.50313900	8.53683100	6.31701500	0.11742613	0.08288744	-0.15192029
H	1.73620200	9.30697200	7.48109000	0.45686721	-0.57689397	-0.45742258
O	9.30269900	1.52661300	13.52488600	0.20618701	-0.42465946	-0.92170401
H	9.09643600	0.68639500	13.98514800	-0.00072483	0.18177376	-0.25748779
H	9.79620600	1.20672100	12.70379700	-0.19439920	0.23219081	1.10261485
O	7.79122600	11.91570900	0.26525300	0.10333442	1.65737525	-0.08903684
H	6.95449700	12.01520900	0.77888600	-0.16706478	-0.61798784	0.03251330
H	7.88983200	12.88004800	0.01104900	0.00608639	-0.84756389	0.10237585
O	15.02105000	17.80860500	2.58525200	-0.44219346	0.38994988	0.14372558
H	15.72684900	18.38330700	2.90727700	0.54340967	0.30339204	-0.04680018
H	15.44317300	16.93276800	2.46410700	0.20583676	-0.56534845	0.03935221
O	19.06462300	7.32913500	0.18746800	2.04906982	0.89087431	-0.04288158
H	19.69463200	7.70328600	0.89485200	-1.36992375	-0.42749392	-0.63244512
H	19.68474400	7.41430100	19.39728500	-0.92957507	-0.25080413	0.62097413

O	1.74538500	8.04829900	18.78336700	-0.08577314	-1.51531354	-0.81386959
H	1.81642800	8.14719000	17.81606900	-0.15367561	-0.07408520	0.16131537
H	1.84871600	8.93125500	19.09045400	0.27051462	1.65974315	0.70734150
O	7.42000700	12.46811300	4.29084500	-0.60894505	-1.66310321	-1.89991207
H	7.43110500	13.28757900	4.79662000	-0.57433360	1.10388788	0.52625509
H	6.79809900	12.52142000	3.49164900	0.68201811	0.20503014	1.17350114
O	3.55241200	15.69610100	3.76525400	0.58451856	0.56017135	1.07103940
H	4.05307600	16.15623900	4.50540900	-0.06301295	-0.51435680	-0.71742421
H	2.81814700	15.29709700	4.28279200	-0.60088155	-0.51433878	-0.11213341
O	18.69632000	14.79819300	1.01585600	-0.70281175	-0.73518572	1.13701253
H	19.02833600	14.53917900	0.16635700	0.55275657	-0.10383309	-1.07388259
H	18.74687200	15.75104900	1.08636700	0.16563588	0.99815340	0.07285753
O	9.79231700	5.26325800	8.78584900	0.70942233	1.04869929	0.66036075
H	9.56453500	4.68056400	9.52261300	-0.34331107	-0.41600407	0.82961121
H	9.65759900	4.73540300	8.00485200	0.01014491	-0.97430679	-1.33232203
O	5.64917000	5.53250200	10.18053200	0.69768275	0.89192802	1.64149088
H	6.27592800	5.52898200	10.96787900	-0.68623404	-0.66988282	-0.67477014
H	5.41900400	6.50838300	10.21709300	-0.20756724	-0.61102845	-0.95184300
O	0.58156600	1.63454300	7.66382700	0.69724209	-0.25653049	0.28327480
H	18.76494600	1.00972200	1.05853600	0.19962231	-0.21855702	-0.76285800
H	19.95782100	1.58611000	6.92701700	-0.40269430	0.13761841	-0.30662320
O	19.70917300	4.71369100	11.33464100	1.18118266	0.90176850	0.97940070
H	19.17779700	4.29857100	10.65776600	-0.61259985	-0.63902508	-0.81714995
H	19.96735000	5.61658300	11.05963300	-0.35062163	-0.40329273	-0.05693857
O	6.65140900	14.36780500	19.20796800	1.21457653	0.48853230	0.64866051
H	5.85173000	14.26746700	18.67815200	-0.73013977	0.17569904	-0.28853586
H	6.67989400	15.28068400	19.57431400	-0.55412683	-0.59627723	-0.25789171
O	10.89304400	6.78688900	3.69443200	-0.27632978	-0.14325855	1.13738808
H	11.20971700	6.01519600	4.21643500	0.00319753	0.08291431	-0.44798821
H	10.45941300	7.32056800	4.41853700	0.05025855	-0.07923932	-0.60416878
O	11.14730600	13.43219900	5.80256700	1.74170081	0.53502278	-0.54790221
H	11.30371600	12.72379000	5.13087900	-0.30124589	0.00880359	0.53484299
H	12.08506200	13.78570500	5.95078500	-1.58914855	-0.50598226	0.06859198
O	11.73432700	17.01680000	0.26482300	1.41299477	-0.73359460	-0.12903762
H	10.80779900	17.14862100	0.03091800	-1.05358014	0.56538662	-0.50964469
H	12.15809800	16.74819400	19.39995600	-0.21770654	0.19719884	0.55831734
O	7.75167700	10.25086400	15.15870600	0.43340226	1.52847069	-0.10453978
H	7.86206300	10.27838100	16.14070300	-0.18758145	-0.27737592	0.30325861
H	7.98527600	11.20608300	14.94565900	-0.18686482	-1.06360782	-0.16674004
O	11.59575700	8.42922400	16.22770900	0.23470964	-0.66038478	-0.34851338
H	11.54879300	9.18183800	16.82224300	0.22610270	0.73579849	0.71565988
H	11.05569200	8.66043900	15.44703600	-0.54268048	-0.02963868	-0.34450426
O	13.01536100	17.86294700	8.04974800	0.86223984	-1.30001122	1.91102791
H	13.11713500	16.85243600	8.17296900	-0.22765279	1.78967456	-0.08543146
H	13.24477400	18.28390700	8.98875000	-0.66635194	-0.64912093	-1.99912204
O	6.23297400	13.73974400	12.18598300	-1.90914064	1.59442255	0.42575136
H	6.90321900	14.10389300	11.60706200	0.69153185	0.14877631	-0.62948550
H	5.55331100	14.50676300	12.30863300	1.18625680	-1.44222890	-0.03392028

O	13.59638600	13.01747900	10.90251500	0.07401323	0.08072264	0.05072714
H	14.07592900	13.35172300	11.70751000	-0.55592167	-0.41327185	-0.56323001
H	12.89714400	12.38832300	11.19720900	0.40984848	0.49622873	0.60579726
O	0.81130900	18.92614600	8.37721300	1.98718896	1.19090559	-2.09890861
H	0.59341200	19.86084900	8.07763300	0.01750763	-0.57313512	0.64241726
H	0.15442000	18.56694000	8.93550000	-2.12023054	-0.55300343	1.55428756
O	19.02706300	8.48553800	5.32025000	-0.58553575	0.71679135	-0.55737208
H	18.81483300	9.46681600	5.28284700	0.51086423	-0.47561999	-0.13501546
H	19.74796900	8.37414000	5.95005800	0.57220397	0.08549262	0.32055750
O	14.41043900	0.47609800	5.89139100	-0.67146796	-0.91088295	-0.42084048
H	13.95491300	19.63914700	5.59368300	-0.02457832	0.58522328	0.44844882
H	15.19173500	0.43503600	5.32322100	0.53418374	0.22068078	-0.10522063
O	13.47547900	19.16654600	0.75764300	0.78290139	0.43780490	-0.19795074
H	14.14435600	18.68663600	1.29456400	0.37326030	0.28127065	0.35805620
H	12.87422900	18.43977700	0.59324800	-1.37532993	-0.79958518	-0.46304870
O	7.92183200	8.14191600	10.68306500	-0.42041798	-0.24480730	0.45765164
H	7.86792600	7.25828200	11.11304400	0.13008701	0.66886154	-0.00411628
H	7.76681400	7.95637700	9.73294400	0.49877036	-0.45915293	-0.34288269
O	16.48132100	11.95421900	6.24402700	0.55808668	-0.16556990	0.07432985
H	15.95711800	11.13042600	6.24125600	-0.10824269	0.31691209	-0.09125371
H	16.07117100	12.62649000	5.59806200	-0.07288029	-0.82625793	0.45306253
O	19.14325000	2.52530700	18.22974200	-1.27565848	0.95596661	1.76158064
H	18.14379500	2.65355800	18.37725300	1.29600963	-0.55324410	-0.73099723
H	19.41260000	2.94140400	19.09558900	0.06846599	-0.08578010	-0.62331086
O	13.95701000	6.54095200	0.27856400	0.59880487	-0.57640151	-0.21108470
H	13.15889600	6.55384700	19.71150600	0.43621970	-0.01078356	-0.10020363
H	14.58814600	5.84372900	19.90238600	-0.85694231	0.91534158	0.07327927
O	18.65582100	2.84772600	9.69145500	-0.55789767	2.31392002	-1.85714360
H	18.37946300	3.62614800	9.06025900	0.75946808	-1.36679840	0.85488597
H	17.83023500	2.32903300	9.64280400	-0.19700283	-0.77036714	0.59493338
O	9.19218300	9.90460100	7.74272400	-0.78037141	0.10291587	0.72516442
H	8.67243200	9.50077000	8.47587100	0.45955486	0.07973002	-0.54650935
H	8.76882600	10.78246000	7.66433500	0.28281179	0.17804298	-0.15071892
O	9.25681000	9.04089500	0.50997400	1.05107132	-0.48536005	0.31454668
H	8.59073900	9.15549900	1.21287400	-0.64907165	0.27287316	-0.10414453
H	8.91943600	9.35035700	19.65925800	-0.29594455	0.43699906	-0.08270821
O	0.11241800	5.99087300	17.10689400	1.40993202	0.71632678	0.57107888
H	19.90079500	6.57936400	16.36335800	-0.17685984	-0.05130556	-0.17964871
H	19.47057700	5.29319800	17.07681300	-0.94838866	-0.58706844	0.03237677
O	0.36978400	10.93826100	13.99158100	0.45865091	0.56167787	-1.73874012
H	0.23339200	10.59846800	14.88344000	0.08183183	-0.31380971	1.03688549
H	19.61297600	10.61959500	13.44154100	-0.53429360	-0.00887038	0.19485325
O	1.26331600	14.13005400	13.30941500	0.12457442	0.90139654	0.31428975
H	0.37858100	14.42396600	12.98059600	0.42607671	0.06166047	-0.17883633
H	1.25842200	13.17540000	13.40263700	-0.14121374	-0.68419683	0.02135117
O	14.82020700	9.33519600	6.50949500	-0.54888693	1.58252964	-0.58371663
H	14.66595200	8.42377400	6.83573200	-0.22552416	-0.70623481	0.09798005
H	13.92793900	9.74311400	6.29661200	0.71890466	-0.86150009	0.60168531

O	9.21600800	14.78724000	18.09639700	0.21734593	1.45436933	1.07624014
H	8.34835100	14.75116000	18.53155100	-0.52288612	-0.02460098	0.27848517
H	9.19140100	14.00552500	17.56872900	0.47103525	-1.46605203	-1.57550636
O	0.62683000	12.61125200	6.88162100	-1.89193536	0.57823914	-0.53728998
H	19.72445900	12.34784700	6.45827400	1.76604208	0.36299019	0.61351131
H	0.37964100	13.42803700	7.41194700	0.24319241	-0.88361944	-0.12318452
O	4.01969600	15.57853700	13.02048700	0.25903487	-2.26918305	0.62582879
H	3.17121300	15.10205900	12.90445600	-0.08216313	0.13905735	-0.12510238
H	3.90244100	16.48873300	12.75429000	-0.32543912	1.78997747	-0.70021938
O	1.95489500	4.03961800	3.26994200	-1.15429786	-0.06009283	-0.28352233
H	1.43380600	3.54009100	2.52125500	0.76119412	0.76986080	0.82420157
H	1.26991200	4.18450400	3.97445200	0.73391998	0.09657791	-0.32181539
O	16.03054400	7.37737700	16.20523500	-2.05343648	-3.88661489	-0.80539771
H	16.38184400	8.22586900	16.25361800	0.77296375	3.05139882	-0.39178971
H	15.27141700	7.31425500	15.53303700	0.81316612	0.86752389	1.11151406
O	11.27469200	17.40829700	3.25870000	-1.08111598	0.21799611	0.61719682
H	11.47753100	17.21745700	2.34296100	0.41449461	-0.23482910	-0.92078051
H	12.07094200	17.22314500	3.79680800	0.66263214	0.09612549	0.24639469
O	6.76977000	2.30873800	2.96060200	-0.44629872	-0.42641149	1.59367731
H	5.79570500	2.20058700	3.22177500	1.06736716	0.37076575	-0.18915937
H	7.17817900	2.21117500	3.89544500	-0.51155417	0.36784259	-1.32896963
O	14.48074200	6.94400200	7.72696800	0.60466705	0.14065356	-0.43050429
H	14.21936200	6.26078600	7.09022400	-0.01862451	-0.21099585	0.07319694
H	13.66141200	7.12188100	8.20358700	-0.81510778	-0.07482853	0.49657686
O	11.29803300	10.63938700	4.38974200	-0.72553294	0.21876888	-0.39841067
H	10.73424100	11.04713700	3.66834100	0.83172035	-0.44231873	0.31639150
H	12.25889100	10.80893300	4.21462500	-0.51017124	0.23891010	-0.59358001
O	0.81948800	14.75653300	8.76946500	0.26930731	0.29197455	-0.21044561
H	0.34107900	15.01304500	9.58158400	-0.11911198	-0.02957520	-0.03262789
H	1.19474600	15.59021000	8.35566600	-0.15008488	-0.53549381	0.28494480
O	9.32475900	6.46882400	19.65066900	0.67598506	-2.65886299	0.38900877
H	9.35717300	7.24182100	0.22290400	-0.05210076	1.14588553	0.49039130
H	9.66873000	5.68549200	0.22465100	-0.36186376	1.50210023	-0.88825581
O	7.36676100	14.62788600	5.83248400	-0.35725277	-0.01550285	0.27504098
H	7.99663200	15.06012300	5.24049800	1.00741489	0.49592644	-0.39128536
H	6.63597200	15.29943900	5.81649500	-0.38587569	-0.43415372	0.39975661
O	18.10200900	10.08009700	12.75000500	-0.33971304	-0.11397725	-0.32152054
H	17.69240000	10.85322900	12.31001100	0.05963063	0.47736570	-0.14807918
H	18.00466500	9.35456900	12.08793500	0.28985345	0.04500478	0.20104082
O	5.31495100	8.70750600	19.94023900	-0.08544957	0.32326142	-0.33167972
H	5.45801900	9.05569900	19.00127400	-0.44116066	-0.62396903	1.00288693
H	5.11157600	7.72727200	19.96893300	0.51755964	0.53803503	-0.36388947
O	2.48031400	16.62252200	7.60801100	1.49938341	-1.23771198	0.79608429
H	3.11255800	15.89587100	7.29151000	-0.98427917	0.90126937	0.35991035
H	2.82922700	16.74883800	8.54787000	-0.27145037	0.03361164	-1.42957766
O	3.67606600	11.47289200	4.68332800	1.30912806	-0.22002595	1.17046378
H	2.91845300	11.61387500	4.13437400	-1.56451790	0.24637328	-1.01039794
H	4.31638100	12.11174200	4.34440800	0.32688665	0.04267085	-0.09167095

O	1.04272800	6.28916000	8.44692800	0.18387511	-1.07774042	0.49777299
H	1.46290800	6.26133100	9.32994700	-0.17946545	0.42853559	0.21745375
H	1.34796000	7.11336800	8.02731700	0.29054828	0.67065831	-0.60246031
O	17.68761100	0.62005800	16.77142000	-0.54730857	-0.57085170	0.10925329
H	18.25879900	0.26956800	17.48533400	0.14273123	0.26433797	-0.21389183
H	17.07513000	19.87201100	16.53708300	0.53290353	0.48292737	-0.29160316
O	0.82954000	10.14473900	16.49932900	0.63677178	0.34977857	0.26433530
H	0.38458800	10.72568500	17.15363500	-0.74809321	-0.01206376	0.43882229
H	1.71151800	10.57594200	16.47352000	0.30479621	-0.22843006	-0.27079497
O	14.58246000	9.67051600	9.48429100	-0.47779791	-0.09446057	-0.41404806
H	13.59240500	9.80510000	9.60076300	0.91837090	0.22038466	-0.41528360
H	14.72793700	9.57275200	8.50061400	-0.29008905	0.01341249	0.79155099
O	8.02657800	0.83882200	0.66632100	0.25566037	0.72794947	0.96248423
H	7.75965300	1.24828700	1.53161600	-0.20185697	-0.41178136	-0.60813358
H	8.85435500	1.38093700	0.44665100	-0.73163179	-0.68774577	-0.09891409
O	11.59871500	5.95026500	17.85896100	0.49041720	-0.83955328	0.34959659
H	10.88892000	6.21245000	18.45845200	-0.82081993	-0.07653884	0.50539232
H	11.68286200	6.74397100	17.33470300	0.27113925	1.09609019	-0.76238223
O	17.53923200	9.77076400	15.50140600	-0.06418395	0.03676977	-1.11240611
H	17.19794100	10.44012300	16.13378300	0.00565869	0.43216804	-0.09016519
H	17.38359100	10.14283200	14.57958100	0.22204157	-0.64659788	1.17651034
O	4.30195800	18.51760300	16.95493900	-0.57696114	0.27113362	1.80744137
H	4.54880300	17.91060300	16.25338600	0.89831173	-0.19317349	-0.76143987
H	4.98480200	19.20160500	17.12255900	-0.04497888	-0.36135152	-0.64707225
O	2.35099300	6.68684800	10.94742600	0.80224941	-1.02689493	-2.38204130
H	2.03354700	7.01613100	11.75764700	-0.79017388	0.84949729	2.34771022
H	3.20998300	6.27248500	11.11173200	0.02360602	-0.01385858	0.25963547
O	9.82772400	8.75631600	14.00388600	-0.59856381	1.23137059	-0.29106435
H	9.13403100	9.41853100	14.38645300	0.95615554	-1.01980592	-0.69798992
H	10.09383200	9.11950100	13.11396600	-0.29442553	-0.39662025	1.11347536
O	13.20101900	16.85672800	17.70368000	0.39594483	0.16583415	-0.06551702
H	14.12983100	17.17170900	17.90010300	-0.62397685	-0.45500369	-0.27647053
H	13.28610600	16.13968300	17.02787800	-0.12132530	0.18929852	0.31844384
O	5.13249800	9.93305100	7.57445100	0.59500378	0.33668482	-0.83764573
H	5.71227800	10.00627100	6.74466800	-0.73114016	-0.30963652	0.79195060
H	5.44677200	10.62921400	8.18813200	-0.02961007	-0.03005649	0.09018507
O	19.29871000	11.84977400	18.28119300	-0.39528861	-0.10918346	-1.72088593
H	19.50902000	11.83393500	19.22588500	0.46265942	-0.03232077	1.10021924
H	19.43882900	12.75953000	17.93933100	-0.01299907	0.01426783	0.33713465
O	6.80030400	5.09010300	6.73351000	1.31858784	-0.13189258	-0.45811083
H	7.73256600	5.03397600	6.38136500	-0.94564787	-0.30334777	0.24447103
H	6.90659200	5.84322700	7.34083300	0.04545980	0.30564593	0.75184245
O	0.18505000	1.63152000	4.22851100	0.15071350	-1.64282825	0.56732806
H	19.47402800	1.86512600	3.61282600	0.22029473	0.88337426	-0.34131042
H	0.71456800	2.38329600	4.50607700	-0.31245044	0.50155161	-0.03612425
O	0.01874400	14.69477700	17.97785800	2.51339822	0.05272586	-1.26122906
H	0.82733500	14.53868800	18.56816100	-1.10857619	0.33554378	0.32467014
H	0.58884600	14.85152200	17.13061100	-1.32957225	-0.15771912	0.91360117

O	17.59191900	12.72231600	11.60693800	1.18782437	-0.23787394	-0.09646407
H	17.33127600	12.59111800	10.65819100	-0.49914015	0.02463737	0.25935522
H	16.81785600	12.95324900	12.15174500	-0.63675505	0.21733718	-0.04058081
O	11.76724800	7.50655800	8.75166000	0.06280511	-0.68802276	-0.75369841
H	11.64933000	8.12723700	9.46843600	-0.13401837	0.64222840	0.82499276
H	11.18203200	6.75038000	8.97726200	0.24965388	0.07687140	-0.28682678
O	1.13583400	12.20358100	3.31679500	-0.17447745	-0.24036297	0.41105052
H	0.63193500	12.02468100	4.15385400	0.18973711	0.09980149	-0.75412092
H	1.11831600	13.17427300	3.24785200	-0.03858583	0.03550243	0.21832138
O	11.10065800	13.13935400	19.75987800	-1.03068022	0.05053738	0.67892977
H	10.45090200	13.72035100	19.26575700	0.54772143	-0.54782670	0.49439908
H	10.62248300	12.87759900	0.60628000	0.71793548	0.48510371	-1.30552077
O	2.36903100	3.11850300	11.52949000	-1.77077683	0.30690529	0.25037020
H	1.48332000	3.49780900	11.21675000	1.06326087	-0.44482557	0.67660712
H	2.96499400	3.45541500	10.86645600	0.55981812	0.07868443	-0.84997396
O	12.16566200	8.84138800	0.89467100	-0.87622046	0.19138896	0.83141977
H	11.20437600	9.02867600	1.13277600	1.09399425	-0.24985169	-0.08860876
H	12.71559900	9.03565200	1.69435500	-0.66862611	0.05686717	-0.65514791
O	19.75963000	17.14833500	6.10629300	-0.30754858	-0.91399030	-0.42281835
H	0.00085500	17.60919000	5.29179300	-0.00423606	0.43215288	-0.83814128
H	0.22184500	17.66352700	6.75998600	0.70248486	0.66256833	1.25450860
O	0.01293300	11.31360800	0.74893500	-0.84571946	-0.83805714	0.37114888
H	0.27937900	11.88987400	1.49853900	-0.09502785	-0.50860241	0.09625652
H	19.44619800	10.58098500	1.14001000	1.07125253	1.14038876	-0.24921463
O	2.73505300	0.70444800	1.50486200	0.61340149	1.68413195	0.69979215
H	3.22496800	1.42519500	1.01456700	-0.35872439	-0.99743800	0.18840638
H	2.51689100	19.98610100	0.91747600	-0.00164582	-0.61017919	-0.85788840
O	8.76777000	3.79792200	11.00037500	-2.53712425	-1.48718683	-0.68518161
H	9.16316200	3.10992300	11.54367100	1.04020759	0.03170178	0.47602318
H	7.94579700	3.21897100	10.74431100	1.49395399	1.55302659	0.02486678
O	13.37712200	19.64575800	10.09670800	0.35433128	1.47720826	-1.23798992
H	13.83919900	0.43553400	9.57712700	-1.08377508	-0.89921906	0.05174617
H	14.05600200	19.50536500	10.74572800	0.84804738	-0.53102161	1.20262417
O	14.29711300	14.61658200	7.28387000	0.42553490	-0.06259435	1.32676968
H	15.06691800	14.80525800	7.91488000	-0.12015872	-0.07052842	-0.84742332
H	13.96329400	13.79412100	7.74870900	-0.15426042	0.36113656	-0.95816910
O	18.34171700	17.13154600	17.04268800	0.98871589	0.26806810	-1.33424141
H	18.82672900	16.36711500	17.40134600	-0.20826831	-0.38382951	0.22329494
H	18.66055700	17.15730700	16.07519900	-0.77284407	0.20242502	1.22713222
O	10.38330700	18.61612500	7.87552100	-1.49152403	-0.01290564	0.06234179
H	11.30084500	18.26816700	7.89008600	0.55903959	0.53465773	0.06575795
H	10.32293300	19.56723400	8.09907600	0.68931922	-0.35029944	-0.18729824
O	3.28655800	9.25951400	14.03561300	-0.18732013	0.84537716	-0.11536874
H	3.06779400	8.31974300	14.15265200	-0.11546039	-1.16518758	0.32846824
H	4.15556600	9.28044300	13.58759700	0.67646959	-0.16345832	-0.00091723
O	5.29938500	0.55626600	10.81322600	-0.09447317	1.31233407	-1.41004403
H	4.43912800	0.23919600	10.43466500	0.37197981	0.09516242	0.18230936
H	5.66213500	1.25416700	10.13168600	-0.81534929	-0.81105254	1.09995349

O	16.14791700	3.36833500	7.14682200	0.21744872	0.36630921	-0.30036647
H	16.87339400	2.69789000	7.00077300	-0.37712267	0.53499817	-0.24756798
H	16.43443100	4.24761100	6.79520400	-0.03862136	-0.98753809	0.36085482
O	16.02821000	9.13337900	0.22780200	-0.87617153	-1.33752147	-0.04820289
H	15.38487500	8.35973500	0.08814000	0.77986515	1.00236087	0.34064052
H	16.86876300	8.68127400	0.44663300	0.02466076	0.08990784	-0.19360657
O	11.85917500	10.17492600	9.88220700	0.47119236	-0.50174530	0.31681786
H	11.64358100	10.49119200	10.78453200	-0.10023332	0.22461387	0.06424520
H	11.24313900	10.51243100	9.22471400	-0.56801359	0.19472753	-0.20680465
O	2.27293500	10.99383800	8.31708900	-0.63225738	-0.36906636	-0.00574474
H	3.03785400	11.20048400	7.76066000	0.10560148	-0.11886126	-0.15328507
H	1.46800300	11.33353200	7.82906400	0.56432618	0.37802220	0.21721756
O	5.42932500	9.80666800	17.23706100	1.51876627	-1.27146062	1.16420976
H	5.87099400	9.02069100	16.80740900	-0.67413390	0.93353997	-0.14184221
H	4.82501800	10.28647000	16.66815200	-0.66082937	0.01997336	-0.67619603
O	4.30524100	5.36135700	17.14002800	0.99495337	-1.29659748	-0.28148894
H	3.36528200	5.46006300	16.99979600	-0.91214591	0.25870734	-0.26114208
H	4.44203100	4.40020600	16.86115800	0.01370068	1.29408785	0.55887966
O	12.71406700	1.57228400	1.71239700	-0.15636603	-0.00381398	0.31479272
H	12.81331900	0.68405700	1.29837200	0.44443055	-0.30260472	0.26394413
H	12.35286700	2.09051100	0.98876300	-0.32190122	0.56255828	-0.26512946
O	3.24909400	1.40452900	13.82177400	-0.42041813	-0.51131546	-1.76559951
H	3.30044800	1.85503200	14.67809500	-0.13832330	0.94261799	0.84693222
H	2.72512300	1.94530400	13.17528700	0.57104856	-0.21723750	0.54594444
O	2.92383300	11.87754600	12.61681800	-1.42018813	0.47365027	-0.44440637
H	2.73684500	12.44712900	11.81547500	0.06653776	-0.16392979	0.20270773
H	3.84334700	12.07955200	12.80216600	0.95050521	-0.61149408	0.69166238
O	16.60435300	0.47607400	3.77438300	0.55735865	-0.03742187	-0.46244926
H	16.22648000	1.27801800	3.35401900	-0.39362692	0.09321458	0.05728045
H	17.39457300	0.31327200	3.21755700	-0.21365620	-0.12559623	0.31950008
O	18.29426600	14.59956600	6.66907500	1.51510805	0.09937754	0.61609954
H	17.59329400	14.95979400	6.12559100	-0.73754841	0.43151482	-0.53741583
H	18.89987800	15.38349700	6.72264200	-0.45016755	-0.63649038	-0.09950242
O	14.13845600	0.45025200	18.21793200	0.42045484	0.10409399	-0.93022457
H	13.82855400	19.94542100	18.97522500	-0.53904754	-0.45336672	0.76198966
H	13.64139200	0.10232000	17.42411600	-0.08269684	0.27594996	0.50412347
O	6.08350800	6.87906000	4.84780500	-0.12142916	0.08382543	0.34539270
H	6.04196400	6.20036800	5.56179100	0.03670392	0.01339208	-0.28811707
H	6.62159300	6.44829100	4.15438100	-0.06736378	-0.11049272	-0.29211061
O	3.55732400	11.46553700	16.17128900	-0.03538927	0.81865314	1.05935717
H	3.92484800	12.31764500	16.52226600	-0.62422961	-0.32498384	0.21068745
H	3.98953400	11.43259700	15.33032000	0.31652027	-0.07207433	-1.72105944
O	8.59983800	10.75388500	17.86076400	-1.08867391	1.46847302	0.99850621
H	8.07706200	11.31949000	18.56148500	0.78896142	-1.54192170	-1.01521751
H	9.04844800	11.47978100	17.37425800	0.51324561	-0.15065320	-0.06874710
O	9.11292600	14.93339300	1.10935700	0.28591545	0.35721616	0.65894863
H	10.06625000	15.05817300	0.88285400	-0.70577601	0.03412401	0.36249684
H	9.04761400	15.11341300	2.09297800	0.28153990	-0.30041301	-0.90146191

O	5.57562300	18.03021000	8.01285200	1.27330260	0.43328310	-0.48336411
H	6.27666200	18.32815400	8.63957700	-0.64636773	-0.41762839	-0.05377406
H	4.70674900	18.16190100	8.42968800	-0.60197671	0.14167955	0.79378953
O	12.11825600	10.37755800	18.60648900	0.78827729	-2.19464413	0.19852803
H	11.44903800	11.02734900	18.67921400	-1.33311685	1.67467723	0.21680910
H	11.93780400	9.74243100	19.36594200	0.59051403	0.73552185	-0.59677065
O	6.22386200	18.15717100	11.23078300	-0.76869737	0.18666082	-0.17767297
H	7.15800600	18.12159900	11.42237200	1.10819953	-0.10800985	0.00134665
H	5.98989300	19.13254500	11.18033800	0.22697749	-0.82399562	-0.07219394
O	14.21223500	13.66143900	19.12103500	0.34417622	-0.32191545	0.12537762
H	13.44766500	13.85753400	19.66628600	-0.92581049	-0.08418234	0.22783635
H	14.82125700	14.40913100	19.33006300	0.27789231	-0.05763249	-0.22581531
O	15.10757100	2.77040900	2.69775300	1.08485959	0.24360961	-0.00359359
H	14.19446100	2.47548800	2.56708800	-0.74708210	-0.53021276	-0.29637866
Zn	1.89413600	10.08223600	12.76743800	-0.06819917	0.11459822	-0.61219519
Cl	9.36322000	12.63277400	13.29344700	-0.22486918	-0.18203039	-0.41357915

3) Representative configurations from the dataset labeled at the r2SCAN level of theory.

796
Lattice="20.0 0.0 0.0 0.0 20.0 0.0 0.0 0.0 20.0" Properties=species:S:1:pos:R:3:forces:R:3 energy=-126228.662359952 pbc="T T T"

O	18.00091000	16.13919800	1.28118300	0.14901206	-0.27101804	-1.74917544
H	18.37349700	15.25124500	0.97696700	-0.12561811	0.48658617	0.69025700
H	18.01964400	16.61899900	0.38655000	-0.13679152	-0.25496020	0.96479909
O	14.48253500	18.75012800	1.46899100	0.53034228	-0.12514373	0.12210417
H	15.33673300	19.20146400	1.74184000	-1.02624385	0.10460186	0.10001649
H	13.73721600	19.42317200	1.41245600	0.49417074	-0.63300665	0.08487932
O	14.39954500	18.17736100	18.70227200	0.00904485	0.45847221	-0.27118360
H	14.50381500	18.11365100	19.65508800	-0.00878022	-0.35139239	0.88510681
H	14.39570100	19.15424700	18.67786000	-0.05466453	-0.13029012	-0.51929601
O	9.99187800	18.30650300	3.65801900	-0.31715571	-0.13645245	-1.17617744
H	9.34811900	17.92833100	3.00788700	-0.29587122	0.09786322	0.84118900
H	10.82118500	18.07953500	3.17836800	0.40390945	0.09351148	0.67766006
O	0.22597400	12.12368400	8.45389300	-0.07772247	-0.62810776	-1.27797552
H	0.91578900	11.97865400	7.73833000	-0.87851738	0.29931515	0.26414370
H	19.34570900	11.99717300	8.00097800	0.90624672	-0.27949146	0.15521074
O	15.19067500	6.66310200	4.64999100	-2.03268916	1.23440372	-1.35522803
H	15.12923300	6.63875400	3.65786000	-0.01111988	0.13138954	0.55569205
H	15.91903800	6.10381700	4.85885700	1.42526375	-1.29205972	0.61757409
O	8.93192100	9.73981300	15.32679300	-2.38034843	0.73879206	0.32313713
H	9.12068800	10.68808000	15.29870500	0.27478742	0.15143857	0.01092126
H	9.72318000	9.25446500	15.21948200	2.13767560	-0.81075507	-0.46375105
O	1.81016100	9.14416900	3.53591400	-0.48431398	0.72725794	-0.77046663
H	1.66963300	8.31931700	3.98224900	-0.08223238	-0.91611510	0.64923231
H	1.39993500	8.95706100	2.59963000	0.98697888	0.35956133	0.63298401
O	7.92290100	16.61234700	19.59255200	-1.06562002	-2.18709731	-0.40921577
H	7.13635900	16.08603500	19.24213600	1.20795006	0.74647355	0.59333177
H	7.62219800	17.50714700	19.46196200	-0.42328182	1.48181326	-0.23926897
O	17.11382700	16.99502200	5.96631300	0.99858569	0.23175139	1.15285820
H	18.02924700	16.68869200	6.29628500	-0.95567475	0.08186454	-0.35847108
H	16.83593900	17.67494400	6.64924100	0.10766462	-0.09114126	-0.79451409
O	6.54535000	14.11203300	14.14139700	-0.34285254	0.28492103	-0.10362923
H	6.07653400	14.98424300	14.22832100	0.13810820	-0.56951633	-0.11999503
H	7.22555000	14.16631500	13.40866000	-0.39054985	0.47790642	0.48111728
O	10.05584500	18.78643200	0.24318900	0.60419331	1.27137227	-0.47685857
H	10.64166000	18.92980600	19.45765100	-0.25073306	0.24309919	0.17893052
H	9.96939700	17.84227400	0.31845500	0.13720532	-1.41896957	0.22863429
O	12.51814900	9.10499800	12.34766000	0.01643997	0.93317809	-0.01916604
H	11.88156000	8.73280000	11.70048000	0.27507041	0.43206225	0.03447100
H	12.84296900	10.03260400	12.05437400	-0.48677494	-1.29720776	0.10799070
O	12.47843700	5.52530800	4.75379300	0.67466523	0.44918647	-0.41854457
H	11.95196000	5.59813700	3.92339300	0.34971078	0.30576472	0.14862594

H	13.33435100	6.05162300	4.62400500	-1.03604220	-0.77050725	0.21675417
O	7.14409500	9.96567700	8.61342000	1.34775337	0.52872681	1.12272108
H	7.95213400	9.93000400	8.03435200	-0.69730553	0.19234349	-0.19957511
H	7.54145000	10.38272000	9.44881200	-0.79961713	-0.71621777	-1.02759421
O	18.71850800	17.01953100	3.69727500	0.20052571	0.72919347	0.61101029
H	18.37352000	17.03549000	2.78925200	-0.19194914	0.05809995	-0.15153549
H	18.17613800	17.59257500	4.28868200	0.26316197	-0.55407697	-0.52421408
O	2.45651400	2.55986400	2.42161000	0.41918741	0.67262768	-0.66864019
H	2.33284800	3.34066700	2.98348500	-0.27948893	-0.27870305	-0.16841564
H	2.26622500	1.79701800	2.98156100	-0.12247834	-0.63665660	0.33511987
O	0.47827300	19.06336600	13.29768700	-0.50167396	0.23831388	1.12604876
H	1.16331100	19.49452200	12.80281700	0.80433107	0.69689254	-0.55524192
H	0.55205100	18.16648300	13.00403600	-0.15789093	-1.17348404	-0.42763475
O	12.19507300	19.99689300	1.52832700	-1.62602173	-1.25911439	-2.55196036
H	12.01259800	0.26145700	2.40739200	-0.25651527	0.84627368	2.12398353
H	11.28983700	19.62003300	1.19064200	1.88265821	0.53833654	0.50048685
O	12.19883800	14.53165900	15.02803900	-0.54502789	-0.98869842	0.54997645
H	11.50686900	13.80207500	15.22109500	0.50753809	0.61086372	-0.66758073
H	11.68118600	15.34021800	15.10513100	-0.20100386	0.87310533	0.20639070
O	19.65640300	1.63126300	6.42487800	0.21512731	0.05792225	-0.30515283
H	19.75951400	2.11470600	5.55676700	-0.35023537	-0.00493860	1.51195291
H	19.01903500	2.10230900	7.03036300	0.31501596	0.13535723	-1.28539229
O	8.88109600	9.59874200	0.50292300	0.78083505	-1.86093115	0.53789249
H	9.05148300	9.43188300	1.45428100	0.41498093	-0.08934708	0.11355135
H	8.43563500	10.41824200	0.49825600	-0.89332105	2.06596148	-0.52349530
O	10.48682300	16.84760500	15.40995100	0.59644895	0.22236519	1.69486460
H	10.27082000	16.83763900	14.48078700	-0.41321873	-0.08047135	-1.21655451
H	10.66038100	17.81251100	15.62235000	-0.27516382	-0.73247776	-0.27810676
O	15.55418000	11.82077300	19.26422900	0.57163937	0.36224337	0.34975610
H	14.88397800	11.34854600	18.72159800	-0.23543005	0.19523242	0.08380737
H	15.13691200	12.60896300	19.69045300	-0.20986739	-0.51257350	-0.46854130
O	5.83679000	3.52070200	7.10927500	1.27288739	-0.59187920	-0.77513427
H	5.94137300	3.22201100	7.99292200	0.57013124	-0.92111951	1.52771698
H	5.10167200	4.08662700	7.20291500	-1.86642799	1.70858378	-0.22996161
O	10.54133400	19.44635200	15.69026000	1.41642929	0.11064020	1.43904438
H	10.80864800	19.73083100	16.61714200	0.23358401	-0.27879430	-0.99350579
H	9.70612100	19.86738000	15.53594100	-1.51885988	0.54799781	-0.31204364
O	17.99020200	11.80582300	17.77907800	-0.81743820	0.08836338	1.79868076
H	17.20656800	11.92830100	18.46072400	1.42373609	-0.67090470	-1.62242972
H	18.42335100	10.90917600	17.94945300	-0.73203904	0.74741993	-0.19212911
O	11.93950500	4.07193900	16.21568900	0.93300541	1.09979551	-0.43493940
H	11.63777800	4.81365900	15.62266300	0.04443330	-0.17192805	0.14687709
H	11.16094800	3.54083400	16.29382900	-0.95686200	-0.98215258	0.47287783
O	3.40393600	14.14224600	16.33157700	-2.93172862	1.82526324	0.77604682
H	3.73460400	14.84112800	15.76743300	0.95250337	0.59140017	-0.69195840
H	3.97020600	13.41809700	16.41583100	1.80640715	-2.10831092	0.23146615
O	19.56056600	16.21766900	7.05877300	1.65024600	1.11335336	-0.43284754
H	0.32818300	15.66689300	6.64970800	-1.07814688	0.33145750	0.47209041

H	0.01195000	17.15297900	7.04778600	-0.81405849	-1.46204088	0.03153129
O	16.68526500	7.69231500	7.03347900	0.59077397	0.43667709	0.30425112
H	15.94655600	7.11069000	7.13551600	-0.88851069	-0.85910288	0.38843018
H	16.30001600	8.53930000	7.28821600	0.06437896	0.44319427	-0.14247888
O	9.20000000	13.10731200	6.14790600	0.13618574	0.33905902	-1.41208159
H	8.84759400	13.37810500	5.22579100	0.47827438	-0.84462619	1.30728790
H	10.18471000	13.14477300	6.04232600	-0.58610085	0.17612322	-0.03109671
O	5.67677200	7.28594100	10.76654000	0.49791682	1.53695232	0.63413094
H	5.86807400	7.27028900	9.82608200	-0.00700581	-0.66970720	-0.97426511
H	5.16984200	6.53023100	11.05668400	-0.41669164	-1.13669834	0.12854893
O	19.80903100	5.49482100	6.72464400	-0.47369148	0.62835182	0.71048513
H	0.34801400	4.99843000	6.08216900	0.31158907	-0.10225097	-0.41758148
H	0.09901300	6.44696300	6.74996600	0.01959987	-0.50412268	-0.48448252
O	12.06971500	10.10485400	3.41095300	-0.67789150	0.25665212	0.41469318
H	12.52207100	10.36489400	4.22978800	0.46775323	0.07793131	-0.13490257
H	12.72626000	9.68712400	2.81293700	0.46743639	-0.11276812	-0.09974044
O	5.85710800	2.10969700	5.00135400	0.19738175	-0.47976345	-0.02858542
H	6.69153000	1.65325800	4.71005900	-0.51176119	0.71426664	0.81779626
H	5.96200900	2.62384500	5.89225200	0.17128035	-0.63406474	-1.12486482
O	9.77330100	8.93619200	3.04650500	-0.53307564	-0.49926807	-0.03811192
H	9.12550400	8.76344100	3.75957500	0.02314646	-0.17028145	0.10201789
H	10.59340900	9.27666400	3.46183500	0.25358387	0.41159073	-0.16262545
O	4.04580800	10.33240500	4.89986300	0.34302855	-0.26618281	-0.23533430
H	3.35151300	9.90763800	4.34726000	-0.23896963	0.09708390	-0.13009031
H	3.55955000	10.83294200	5.56647500	-0.49697296	0.20896636	0.27194056
O	0.95899300	0.98774100	17.28801500	0.03536428	-1.63981935	0.46961293
H	1.62608500	1.21159200	16.62461700	-0.03317384	0.25382455	-0.20573461
H	0.93440300	19.99062900	17.17451900	-0.00919480	1.00632669	-0.13440187
O	12.35865500	16.23880400	11.24798200	0.36234157	1.28329474	-0.20297111
H	12.65736900	16.23406800	10.25865800	-0.70904166	-0.41504637	1.00865435
H	12.63910100	17.14682600	11.49138500	-0.14513554	-0.57804373	0.19134122
O	18.33795500	6.04108800	14.97362300	-0.04713907	1.69015782	0.80160061
H	18.55376100	7.01497800	14.76687800	-0.22458837	-1.43271403	0.19900005
H	18.21987300	6.11354600	15.95837200	0.22923945	-0.28794956	-1.05263299
O	10.90783200	0.40498100	6.67547800	1.37711381	0.04140317	0.71220676
H	11.81229200	0.32925300	7.14898300	-1.62310287	-0.07419706	-0.79793290
H	10.50184700	19.50709000	6.70833200	0.40342854	-0.03496466	-0.09920699
O	10.03526300	17.82880600	6.32262800	0.41848344	-0.00566810	-1.02012651
H	10.03730100	17.95982200	5.32106400	0.19764535	-0.29177608	0.48592401
H	9.09604100	17.86936400	6.51054400	-0.65581729	0.20337606	0.38922346
O	16.38342700	5.04285200	0.51745800	2.18715040	-1.53635069	1.76107814
H	17.32974800	4.61140200	0.43515600	-1.31238842	0.41601105	0.65064393
H	16.24775100	5.29599900	19.63627400	-0.83768156	0.66395957	-2.33227239
O	0.96009400	8.78628700	1.15321200	-0.16738924	-0.30139945	-0.13886020
H	1.45573000	8.01851000	0.75883100	-0.67990016	0.27701767	0.22256685
H	0.04773700	8.46905900	1.32562900	-0.02678304	-0.11939581	-0.53557959
O	14.05941500	3.10890400	4.08467900	-0.07034769	-0.22541142	-0.64302807
H	13.39879000	3.79645900	4.25750200	0.20968235	0.47100758	0.42263338

H	14.62059200	2.99171500	4.88242500	-0.40683019	-0.10571866	0.23596437
O	12.03339100	13.29763000	6.29704700	-0.05712383	-0.11373512	-0.92242604
H	11.85064200	13.27872700	7.23461300	0.41140650	0.30694619	0.70810188
H	12.50391200	14.12854900	6.06072700	-0.26956558	0.04275834	0.17351142
O	1.05504800	5.46739800	14.33462600	-0.85892385	-0.44607673	0.25868647
H	0.99718300	4.59195900	14.86345200	-0.45797131	0.64601603	-0.27024087
H	0.09027500	5.74868700	14.30368900	0.84430008	-0.14918927	0.46334731
O	18.70919400	1.24676100	11.40101900	-0.68634346	-0.47405234	-0.96774456
H	19.03023300	1.19323200	12.30204100	0.18318144	0.06926551	1.20596131
H	19.37196400	1.77300000	10.95065200	0.76758957	0.48062102	-0.39445157
O	13.77698200	11.18806600	5.56284500	0.50912126	2.01782543	-1.42287944
H	13.08543300	11.86689400	5.65005500	-0.13660245	-0.21230644	0.42236527
H	13.60114800	10.38252800	6.03983400	-0.22236163	-1.30758051	1.01145255
O	13.08651300	15.76649100	5.03081200	2.68918974	-0.94309558	-0.11294527
H	14.10751700	15.54906400	4.85646100	-1.96109333	0.14181456	-0.15698517
H	13.20358800	16.42734300	5.73491500	-0.63569195	0.35439715	0.23605264
O	3.06067400	6.41722100	15.72869500	-0.24465081	-0.32311227	0.62486055
H	2.26704700	6.09094200	15.21188200	0.15924793	0.05219921	0.06736272
H	3.25427400	5.72571000	16.40664500	-0.20403234	0.45488403	-0.53407705
O	5.44765000	18.20062100	15.79428000	-1.43699113	-0.25524855	0.83393601
H	5.31720600	17.96639300	16.75103200	0.11154568	-0.00131667	-0.17977152
H	6.32152100	18.55144100	15.73533300	1.14625308	0.51282690	-0.26217674
O	10.78269600	16.07366200	0.81831900	-1.06736290	0.11638735	0.39599451
H	11.36413500	16.45747600	1.50735600	0.63500377	-0.19001006	-0.29049410
H	11.25363000	15.80499400	0.02201900	0.64334411	0.04318285	-0.09530981
O	14.50529600	6.59371300	1.78735700	0.25858177	-1.60600140	-0.13496666
H	13.78189000	5.88823700	1.65444200	0.68445065	0.96881450	0.02389913
H	15.30573500	6.09556400	1.40590100	-0.78838877	0.88580203	0.38811912
O	18.68299300	2.73707800	3.23070500	-1.21460006	-0.00451888	-0.95237363
H	18.75687600	1.77925600	3.28458600	0.33328239	0.09633926	0.23690249
H	19.40037500	3.16909000	3.69951700	1.19745077	0.04379735	0.49622634
O	19.72229000	8.32589100	14.68464800	0.79430463	-0.37302601	0.36054935
H	19.81590500	9.22139900	14.35142300	-0.16579979	0.55291855	-0.17041331
H	0.47270900	8.24922100	15.31849300	-0.79348527	-0.22947282	-0.30151414
O	10.69878000	6.20357800	2.60351100	-1.19767617	-1.71266781	0.40502169
H	10.49129700	7.10426700	2.80217000	-0.10282593	1.93525740	0.09266349
H	9.83265600	5.77863500	2.91302100	1.01960064	-0.14332806	-0.21682118
O	10.38936900	12.29183700	17.84449000	0.42056812	-1.48873564	0.83310635
H	10.72418100	11.46213900	18.36633300	-0.55102846	1.47475521	-0.78348774
H	10.99228700	13.02269900	18.06558600	0.02754250	0.07989877	0.45527377
O	6.49658900	1.21328300	1.21438900	-0.36541989	0.63000556	0.15064917
H	7.16721400	1.83130100	1.53090000	0.13438246	0.02290991	0.05672421
H	5.78734300	1.82002000	0.91615600	0.16012596	-0.30131088	0.03791789
O	19.81238600	11.08405500	14.38958200	-0.13132958	-0.45506370	-0.04053877
H	19.02726000	11.00713500	14.94782600	-0.34182698	-0.07847850	0.14635611
H	19.50643000	11.74908500	13.74008100	-0.07885445	0.58320917	-0.05168286
O	8.72129200	4.56157400	7.78303700	0.06928303	1.65617249	0.37577352
H	8.72606800	3.61688100	7.60486600	-0.31279757	-0.57644918	0.43910531

H	8.51378700	4.77074800	8.75403300	0.71322528	-0.96473063	-0.93440473
O	11.51107600	0.15369100	18.21419100	-2.02337951	0.81634488	-0.16643439
H	10.94769800	1.00334100	18.17146700	0.61773393	-1.27269682	-0.14540144
H	12.35631700	0.51873100	18.47019400	1.22863164	0.17617956	0.29953308
O	3.80780200	16.05904600	5.10960900	1.14659905	-1.29073870	-0.87575433
H	3.40019600	16.74047100	4.57334600	-0.50104976	0.67336992	-0.35079255
H	4.38965600	15.55792700	4.43558100	-0.52918100	0.85826155	1.13241482
O	7.80321000	0.32624800	15.11934600	-1.23945932	1.02790962	1.18455424
H	7.71422700	1.14201300	14.52338100	0.40487239	-0.64158020	0.88439396
H	7.26385400	0.57347500	15.98436500	1.08433565	-0.30967456	-1.78208943
O	7.62434900	19.51385300	19.48567400	0.07258920	-0.57572839	-0.02174466
H	8.51614800	19.35888500	19.85556800	0.40621046	0.04315081	-0.34707471
H	7.14818000	19.84883900	0.26598700	-0.31984749	0.36059831	-0.11455292
O	17.15860700	4.87996200	9.34809100	-0.05500330	-1.02542737	0.62564539
H	16.93532900	4.21847300	10.06121100	-0.34707409	0.21093610	-0.79397459
H	18.08467100	5.09103900	9.59131800	0.28506466	0.64116435	-0.33085109
O	5.91644600	19.10860800	3.59443400	0.95734882	0.88666893	-0.27082953
H	5.85488700	18.81797400	4.50847100	0.08748683	0.08772803	0.31731909
H	6.59860000	19.84830500	3.58964400	-0.91565984	-0.88099748	0.09667142
O	13.86351700	12.27861400	15.55011900	0.42719416	-2.07949288	0.45178983
H	13.55889800	11.65019000	16.25891300	0.35970713	0.62402225	-0.45305226
H	13.31878400	13.04204900	15.61535400	-0.64699563	1.35540657	0.06726978
O	0.19979300	8.20984500	6.41602800	-0.44101426	-0.38686851	-0.29408294
H	19.32507700	8.21662500	5.97926800	-0.01291087	0.15334556	-0.57543757
H	19.92823000	8.61081100	7.24184200	0.25891182	0.45347142	0.96387443
O	13.75160500	17.83227900	14.96625600	0.21928122	0.10490630	0.23722865
H	14.21776100	17.06020200	14.64077400	0.19122340	-0.31221875	0.03397727
H	13.22142700	18.11492300	14.20845600	-0.48696703	0.31509918	-0.32630369
O	12.46827600	5.12341300	0.94529300	-0.84817154	0.74760419	0.14001921
H	12.58352200	5.43786500	0.02992500	0.39299294	-0.30249036	-0.46097488
H	11.71708600	5.69589600	1.27292300	0.46175187	-0.82673031	0.16183541
O	11.86591300	1.28885300	3.94319200	-0.40179096	-0.41195873	1.90580402
H	11.54292700	0.89989900	4.82257100	0.00743845	0.39422810	-1.26940186
H	12.62284000	1.81750300	4.26713800	0.35736246	0.09686507	-0.54921240
O	13.60496800	10.47097800	17.80490500	1.66103214	-0.47282432	-1.27329858
H	13.91748300	9.58819500	17.40616600	-1.26548447	1.23205624	0.92217821
H	12.73739500	10.35995700	18.20729400	-0.37315124	-0.70551659	0.28020669
O	13.60506800	14.16514100	12.78975600	-0.57574525	0.49019481	-0.03773396
H	13.07005200	14.49546200	13.56481000	0.22741493	-0.73642315	0.00449567
H	13.32639500	14.82676800	12.12384400	-0.05165128	-0.06552504	-0.28925578
O	5.00227600	2.60513000	12.62397700	-2.70321960	0.75330485	-0.50083907
H	5.72701400	2.18836000	13.01458000	2.24238499	-1.02547662	1.06437931
H	4.22170600	1.94509800	12.76052300	0.87131297	0.66213170	-0.63681069
O	7.34386000	3.46869700	18.33688400	0.54733844	0.81796327	0.29652180
H	7.32972500	4.25648000	17.73547000	-0.23553090	-0.42927770	0.01123364
H	7.50433100	3.87876300	19.22142000	0.02583899	-0.46323309	-0.34496985
O	19.80494500	5.41972100	9.75614100	0.81987422	-2.26054809	0.43072621
H	0.14132700	4.43800800	9.75854900	-0.48198669	1.52753660	0.65426969

H	0.00258100	5.59966000	8.83608900	-0.10480767	0.68192492	-0.98077644
O	8.01725700	2.61411300	13.68209600	0.39609753	0.59508494	-0.60188098
H	8.71268600	2.70645000	12.96715400	-0.72557887	0.00513017	0.94896680
H	7.98848600	3.51280500	14.11241100	0.25973916	-0.51114100	-0.62896771
O	5.95036600	15.05390000	3.55903700	0.60175478	0.49639748	1.11614552
H	6.51619700	15.81391800	3.28699100	-0.13749449	-0.07056502	-0.06933910
H	5.53088700	14.77745900	2.74280500	-0.53209436	-0.15451833	-1.12619274
O	16.33511200	13.62702600	9.96026100	0.40472716	-0.94802126	-1.00713846
H	15.94692000	13.75908700	9.06201700	-0.00147463	0.35092773	1.13270924
H	16.14115900	14.30246400	10.61106900	-0.36526358	0.48632814	-0.42749392
O	14.82216900	6.03117500	8.77689800	-0.57316026	0.67627986	0.58530337
H	15.72899900	5.73553400	8.90837300	1.14809236	-0.72585988	-0.20320884
H	14.77537400	6.55649200	9.60779500	-0.69504164	0.09841864	-0.35283662
O	10.16164700	3.10534800	11.64627600	-0.63400222	-1.56136149	-1.02833078
H	9.77592700	2.41972600	11.02134800	0.08906248	0.93868231	0.84212845
H	11.04098700	2.71875300	11.78942000	0.49336816	0.44709739	0.18833529
O	17.96340400	7.93647600	9.81086000	0.31177900	1.06265445	-0.12287199
H	17.43895100	7.99787000	8.99985300	-0.33577597	-0.64609468	-0.16858941
H	18.56967900	8.70112500	9.65309000	0.17562928	-0.38151185	0.25528349
O	16.24737700	7.97238700	13.44983200	-1.34624054	-1.31898644	0.53219970
H	17.07571200	7.69420800	13.10327300	1.59252754	-0.59867955	-0.43723307
H	16.32353600	8.90521900	13.53065100	0.10989603	2.11473060	0.07379564
O	3.00530200	16.99479900	0.99520600	-0.51176849	-0.83965971	-2.04050596
H	2.84098600	16.48768600	0.06769100	0.03423334	1.23042546	1.92886795
H	3.33733100	17.90415400	0.81977100	0.24578664	-0.65104567	0.11213091
O	15.08918800	2.48937300	1.66127500	-1.09267442	-0.70834319	1.53946177
H	14.78167500	2.96184700	2.50779900	0.31065033	-0.62068329	-0.89215694
H	15.54160700	3.12044800	1.12578500	0.75399528	1.33555190	-0.60929981
O	14.21666000	14.18552300	0.01285300	0.33273448	-0.23189225	-0.32026556
H	13.26902500	14.24789200	19.83681500	-0.08871612	0.02319994	0.26833532
H	14.45870500	14.81809200	0.72198900	-0.21057968	0.22355375	0.07871560
O	14.97496000	6.19980800	15.40724800	-0.03817341	0.16125760	0.06466771
H	15.51893800	5.75054600	16.09479500	0.12619245	0.01276468	-0.30436869
H	15.59654500	6.62773000	14.77595900	-0.16447989	0.03925430	0.31144821
O	13.38434500	19.16975200	10.13255800	-0.34563114	-0.48234900	-1.37044757
H	12.48486200	19.30221200	10.46285600	-0.36494476	0.20486670	0.34745673
H	13.99944000	19.30056000	10.84479800	0.80951805	0.54617477	0.83467936
O	2.08714600	6.85735800	10.96856500	0.69238525	2.22565183	1.45552563
H	1.70125900	7.65182600	11.47982000	0.72390388	-1.27535211	-0.86791976
H	1.38606400	6.22776100	10.91414200	-1.30335545	-0.83514679	-0.52119069
O	3.76070300	4.92033100	18.03292100	0.12736327	0.09556331	2.13715509
H	3.59081000	5.76414200	18.52046600	-0.29684620	0.14127365	-0.62520387
H	3.91930500	4.40237700	18.91288000	0.30381534	0.01506274	-1.36562261
O	17.83193600	8.39491800	4.76519500	0.44132480	0.68168389	-1.52528832
H	17.09410900	7.84263400	5.02194600	-0.41394698	-0.23414571	0.52788801
H	17.36850000	9.15058700	4.27385500	0.76725466	-0.85137778	0.91101171
O	16.14266400	14.57887100	13.26176300	0.70248498	0.73633930	0.95332275
H	15.20360500	14.35224200	13.03732500	-0.05770464	0.02888153	0.46042727

H	16.21475600	14.92452500	14.23426100	-0.16828410	-0.65731781	-1.90440240
O	16.21415700	10.23643300	1.53423400	0.45711840	0.04388334	-0.43030913
H	15.30599900	9.93827700	1.71463000	0.06981193	-0.07460662	-0.06834442
H	16.11712600	10.67871200	0.66383800	-0.12833376	-0.06828969	0.29472935
O	18.93159100	6.49707600	2.96199100	0.29936514	0.50860179	1.62608846
H	16.08112900	1.15128300	2.17725400	0.28014541	-0.95058797	-0.16888800
H	18.90105800	7.12964000	3.76917900	-0.20778982	-0.91445277	-1.68530146
O	10.95458900	5.75847400	14.45743800	0.69401524	2.13784429	-1.05660119
H	11.67840700	5.86669000	13.77754900	-0.61110866	-0.99669041	0.12124718
H	10.81129600	6.78169500	14.52195600	0.37061531	-1.24296979	0.81111775
O	16.26540400	19.26831100	7.39859800	-0.56248370	-0.42136931	0.93599749
H	16.70948000	19.35777500	8.29593100	-0.37602630	-0.00247177	-0.93062306
H	15.28272300	19.38750800	7.53447200	0.90087223	-0.00787482	-0.00062877
O	14.55801300	7.69186700	11.38378000	1.15426586	0.09953949	0.55290389
H	15.34282800	7.75115600	12.02559000	-0.93054771	-0.32574794	-0.73083947
H	13.93504800	8.30026100	11.84537600	-0.30436244	-0.19811246	-0.33021342
O	8.42715900	4.91923100	10.41438600	0.31919551	-1.32329893	-0.07710895
H	8.33531800	5.78184400	10.85822500	0.11891052	0.20251742	0.46580664
H	9.19819000	4.45833000	10.84000300	-0.55787151	0.66043803	-0.32030739
O	8.30582500	5.35516500	14.21432600	-0.02959664	-0.39116741	1.01438647
H	9.26763300	5.49995900	14.36229100	-0.16383382	-0.32866450	-0.22687338
H	8.14152100	5.82454300	13.40376500	-0.23924990	0.54524294	-0.88241760
O	1.77787800	2.40526100	19.59974900	0.01751160	-0.71013050	-0.87666352
H	1.75289300	2.21423400	0.54487900	-0.16739188	-0.01086322	0.48374604
H	1.42476200	1.62791800	19.08998100	0.35580466	0.64600292	0.40948278
O	4.83137500	9.58922300	11.64071600	-0.08614261	0.39912865	-2.10934979
H	5.11201000	8.65410700	11.35948500	-0.08010659	0.27226029	0.34072265
H	4.63728300	9.96050700	10.67907700	0.02212536	-0.50140289	1.59644417
O	5.33744900	18.59980200	1.09313900	0.03539848	-1.53090943	0.20059804
H	5.24186200	19.34343700	0.49453300	-0.35543012	0.76744083	0.29877679
H	5.42946500	18.83301400	2.05091500	-0.38718975	0.59125754	-0.84337617
O	17.93865400	10.60672300	7.00048300	0.11508199	0.40135517	-0.02821343
H	17.13740900	11.15904600	7.12973200	0.39350684	-0.34791262	-0.27952429
H	18.03478400	10.52384600	6.01940900	-0.31296134	0.10861954	0.89970349
O	4.53864800	15.92951500	14.70798400	-0.31706591	-0.73063290	-1.33432340
H	4.16592900	16.14101600	13.80057900	0.08967334	0.15581461	0.86240115
H	4.75223600	16.77041400	15.13609300	0.36982919	0.70510605	-0.05293282
O	8.07961300	8.23698900	5.19944600	0.85624892	1.44395408	-0.71215259
H	8.61077500	7.51138400	5.50122500	0.66839324	-1.18106729	0.34899980
H	7.17414300	7.95572300	4.99408700	-0.82103033	-0.17245533	0.36890498
O	19.78133800	10.98607600	4.48404300	0.72101839	-1.31037542	0.41945651
H	19.45508600	11.48346300	3.75655400	-0.58435918	1.01126174	-0.95365481
H	0.32799900	10.29735600	4.03069400	-0.09363442	-0.05423246	0.38911559
O	2.92856600	18.96820100	9.25259800	-0.23254707	0.79446889	-0.43326810
H	2.62919800	19.89182700	9.13436600	0.35652307	0.06448709	-0.30821432
H	2.30013200	18.66645400	9.93528300	-0.29019209	-0.63276115	0.38512828
O	11.25913200	10.94600700	10.08778900	0.04835703	-1.70702426	-1.50009097
H	10.85156800	10.10806400	9.72732100	0.68101594	1.20162005	0.53611250

H	10.65705100	11.21024400	10.76734900	-0.74463041	0.39701125	0.80416668
O	1.23277300	9.58696000	11.84196400	0.25423689	-0.62138556	-0.26033671
H	1.81783600	10.21538200	12.27713500	0.64152879	0.42494543	0.13040693
H	0.43807700	9.68413500	12.35960900	-0.75729175	-0.06768075	0.17185709
O	2.30060100	7.06546800	19.44854200	0.40772503	-1.06711463	1.19630492
H	2.92954900	7.76699100	19.66177200	0.68950100	0.37135630	-0.41286245
H	1.78989300	7.40720200	18.72420300	-0.47799498	0.68392869	-0.91506415
O	0.75991500	3.01714800	10.36499000	-0.15059973	0.01927136	1.04885501
H	1.28157800	3.21120200	11.20023600	-0.17440259	-0.08937952	-0.64808162
H	1.34780500	2.58156300	9.74346800	0.58069253	-0.30033299	-0.47804950
O	13.63120600	9.19500600	1.49755100	-0.12137580	-0.37418507	0.62355043
H	13.05234400	9.49797800	0.78930600	-0.10477044	-0.27669064	-0.50604736
H	13.70485600	8.20466500	1.49311100	0.32385706	0.37533169	-0.34111474
O	4.56040700	15.34181200	10.36469700	-0.20401785	0.85313622	-1.46824144
H	4.13218600	14.48132700	10.51518100	0.16087614	-0.35444879	-0.31931394
H	4.50001400	15.51065300	9.35946600	0.16993494	-0.60076547	1.55784927
O	1.58661100	13.04300000	0.37822600	-0.16691061	2.24783913	2.46214134
H	1.91973700	13.12050300	1.32382100	-0.60111765	-0.57473287	-1.13420490
H	1.96238200	12.24783600	0.02247100	0.71792441	-1.70663365	-0.96220071
O	18.80109200	3.70337800	0.37803200	-0.28751841	0.27190496	-0.92902786
H	18.85430000	2.98379000	19.70139100	-0.04040694	0.41995319	0.21991146
H	18.92152200	3.28266100	1.22968700	0.04361942	-0.28461788	0.91790171
O	5.87486700	3.77306400	2.83582400	-0.61967241	2.20365657	0.88418123
H	5.45508200	4.55918700	3.34576600	0.45544392	-1.36795138	-0.83767046
H	5.69752500	3.06311100	3.48497300	0.02593727	-0.33826578	0.33143669
O	1.79394900	17.52964200	3.39900600	0.94226707	0.75092734	1.32900961
H	1.99369600	17.16522800	2.54393800	0.21852300	-0.33730172	-1.35838802
H	0.88881600	17.34263400	3.59628500	-1.39976273	-0.39187612	0.10844470
O	14.00181500	11.39453500	11.82159500	-0.53108602	-0.53603055	-0.07669366
H	13.61886300	12.09681500	12.35044000	-0.01358144	0.71948484	0.60853850
H	13.98096200	11.79309700	10.92772400	0.03856011	-0.05701733	-0.49676853
O	18.83425100	13.26159100	12.95093000	-0.91311357	0.80022136	0.52302219
H	18.01557400	13.84891800	12.88974700	0.90074786	-1.32692112	-0.11905848
H	19.22101000	13.11957800	12.06635400	-0.16791471	0.40046774	-0.45689445
O	11.38924800	8.28332200	14.88077400	-0.58592662	0.60907001	-0.37010042
H	11.94717100	8.27482100	15.69418500	0.49515075	-0.24052431	-0.32097581
H	11.94029600	8.53786300	14.10300700	-0.06765133	0.19412338	0.33004845
O	4.60760400	3.71876600	0.34996300	-0.11909875	0.01082161	1.27445060
H	3.86492500	3.38504800	0.91248700	0.50937808	0.08023160	-0.40145940
H	5.21651800	4.09694200	1.05625900	-0.63873702	-0.59921810	-0.77185928
O	5.12689600	15.53711200	7.59654600	-1.98706184	0.75028062	-0.73163961
H	4.56726200	15.47333000	6.76571000	0.90349504	0.37759787	0.99211923
H	5.94651300	15.07485400	7.45428600	0.94849806	-0.80261529	-0.10877035
O	15.72415500	19.66457900	15.85990400	1.31017497	0.25124444	0.25279203
H	16.51221700	19.03034000	15.77891300	-0.96696347	0.54611697	-0.04781723
H	14.90179800	19.18925100	15.73789100	-0.57197705	-0.93357427	-0.25084491
O	15.34598800	15.69250500	17.89173900	1.07323512	0.81253109	-1.22577424
H	14.96734900	15.07493800	18.50002100	-0.53367918	-0.97482550	1.13920055

H	14.90381000	16.53826700	18.05228400	-0.33684463	0.56399887	0.06994036
O	16.23505400	1.67540400	14.07606100	-0.50868650	0.29460294	0.93613438
H	15.95199500	0.94486100	14.69745200	0.29712140	0.49466635	-0.37577631
H	15.76326000	2.45855100	14.45844400	0.24735855	-0.74962993	-0.40031494
O	8.28940000	19.02047500	12.61309300	-1.05516219	1.30064160	-1.24674114
H	8.78600000	18.21725800	12.57046800	1.00939316	-1.57238641	0.12578743
H	8.13460200	19.22933600	13.52658800	-0.16130023	0.23357305	1.28408425
O	7.27496000	19.19163700	6.28711200	0.20590894	-1.02611440	-1.54507670
H	7.64729000	19.92961500	6.73283300	0.68458594	1.70128406	0.73049071
H	6.84124900	18.74965500	7.00169000	-0.95228308	-0.62355007	1.03641223
O	10.21686100	2.55939100	17.80066100	-1.55015427	-0.34073570	-0.06872614
H	10.59540700	2.70677400	18.68332500	-0.09254820	0.41067019	0.29786190
H	9.21135800	2.61109000	17.89698200	1.45807849	0.20491241	0.18470471
O	11.97203800	19.20241400	13.26788700	-0.38219725	-0.16211691	-0.76849001
H	11.51080200	19.39980300	14.10395100	-0.17179320	0.03486681	-0.20875763
H	11.29745000	19.13337500	12.51430700	1.03208409	-0.06679215	1.35173216
O	18.08178500	8.01062200	0.74380700	-0.84898881	0.09442765	0.91289723
H	17.40657600	8.70696900	1.07623000	1.04440176	-1.38017995	-0.34276959
H	18.07532300	7.22923600	1.38502400	-0.04810665	1.50585111	-0.54347158
O	6.46429100	1.05961200	17.60162500	0.38827707	-1.38569322	-0.18470331
H	6.82550300	1.91765200	17.85565600	0.00417169	0.93340379	0.18238802
H	7.01067700	0.44316300	18.16646000	-0.35804916	0.21385297	-0.11972959
O	15.91109800	1.80266100	17.46483800	-1.93701755	0.25296288	-0.59650303
H	15.81625200	0.96002500	16.94938500	0.35924173	0.22161450	0.07582963
H	16.75001000	1.80123100	17.88423200	2.02831011	-0.36598495	0.48010863
O	16.46979300	10.84182300	12.56481800	-0.73467885	0.14995230	-0.27723018
H	15.54860000	11.01732200	12.17620800	1.03177229	-0.14194068	0.45690560
H	16.53545600	11.51842300	13.26325800	0.20338088	-0.28156137	-0.04620591
O	14.03867300	1.20165400	19.22698200	0.11292482	-0.52057695	-0.68361537
H	14.21472700	1.57479200	0.08840600	0.19183721	0.20783333	0.81395709
H	14.84089400	1.45379700	18.69572300	-0.36982459	0.07825229	-0.24130672
O	9.83241600	16.68928700	12.82256200	-0.30992738	-0.46927852	-0.96111862
H	10.54690900	16.63446400	12.14610200	-0.02193630	-0.05429119	0.34267776
H	9.27872000	15.89157300	12.61068800	0.56097393	0.39071158	0.30896675
O	7.30444800	16.13163600	10.40962000	1.05864934	-1.26074641	-1.45101986
H	6.37712100	16.28570200	10.54254000	-1.22951097	0.16516775	0.28556077
H	7.27980200	15.41749400	9.69571100	0.10870261	1.08627364	0.79381921
O	19.18342000	1.19569500	14.15395200	0.58963378	0.49109506	-0.27118597
H	19.56131900	0.30836500	14.17466100	0.43108970	-0.27572007	0.09960254
H	18.26891700	1.05760700	14.35926800	-1.43204724	0.23094285	0.18771050
O	6.31425000	2.63863900	10.16537000	0.16721746	0.73446609	-0.68651568
H	7.05745000	3.25708300	10.14425800	0.55479402	0.22632774	-0.48016014
H	5.92112900	2.98337100	10.97185300	-1.06293807	-0.54397968	0.70178695
O	10.78815300	19.18484100	10.95595900	-1.11504806	-0.18842837	-1.18608294
H	10.28644300	18.64400900	10.22905800	0.61569678	0.69366168	0.79574259
H	10.18909100	19.94399500	11.10295000	0.22281669	-0.34264581	-0.21728519
O	2.17359200	3.85578200	12.63320400	0.58289407	-1.32216053	-0.55270828
H	1.86856000	4.68112400	13.03724200	-0.69338895	0.07012713	0.82068654

H	2.36752600	3.21261000	13.35788000	-0.31681652	0.86566155	-0.54434081
O	8.65957100	1.59442300	7.92725900	0.93049614	-0.37335164	-1.97295486
H	8.77519700	1.35692400	8.83879500	-0.15360339	-0.48908853	1.13279242
H	9.43794300	1.13136000	7.48753800	-0.66485199	0.86719658	0.41520206
O	3.17306800	12.93088500	10.42780500	-1.15017957	1.16470168	-0.07751315
H	3.38297400	12.35367200	9.68070600	-0.16190131	-0.16064109	-0.09530850
H	2.33270100	13.45102100	10.17731400	0.82291387	-1.27796602	0.50733584
O	0.30852200	13.53879600	10.68699600	-1.13267546	2.92776548	-0.76355235
H	19.83247200	14.44568900	10.36808700	1.37161042	-1.72931348	1.11127042
H	0.05822900	13.04041500	9.89481000	0.28055673	-0.95656097	-0.22784479
O	11.81010900	14.74737500	18.38138800	1.77369737	-0.33364019	-0.87885891
H	11.06467900	15.07070100	17.84715300	-0.92735915	0.12335478	-0.04094484
H	12.56017100	14.75928800	17.71926900	-0.89598601	0.14818789	0.90184321
O	4.19853600	0.38520000	19.12786900	1.47340972	0.00895338	-0.58576653
H	3.62335200	1.11712100	19.33828500	-0.47943182	0.58830210	0.15525113
H	4.97206100	0.80787800	18.63809400	-0.95405784	-0.55017929	0.28090345
O	2.35342400	15.26277300	19.10435900	-0.94590443	0.37250078	1.21542689
H	2.18511200	14.45373200	19.65854600	-0.40744880	0.13975842	-0.11837290
H	2.94145400	14.91487200	18.46180900	1.30310208	-0.35209540	-1.64688876
O	7.99410200	13.19983700	3.51583000	-0.29205313	-0.12484448	0.29777414
H	7.39681100	12.40705100	3.61577600	0.57381911	0.41314010	-0.02565776
H	7.38272500	13.95433100	3.69028300	-0.02523486	-0.27495646	-0.36865896
O	4.18728800	5.66674400	4.43465200	0.85664116	0.21754408	-1.23809072
H	3.95112800	5.50346200	5.34498700	-0.22026718	-0.08918106	1.06858831
H	3.35081000	5.67722300	3.90803200	-0.46222024	0.26104278	0.07569545
O	2.16334700	10.79349400	19.00599700	-1.66558344	-0.19267222	-0.43904157
H	1.28050300	10.44644200	19.34404900	1.56035182	0.26324232	-0.62441147
H	2.03962600	10.92396900	18.01123200	0.09887593	-0.09791566	1.21913673
O	12.70273000	17.44285200	7.12600500	1.07888152	-0.28501628	-0.25859959
H	11.75521900	17.51778600	7.13022400	-1.30552865	0.04612651	-0.23154053
H	13.02833400	18.34815800	7.20847700	0.33594687	0.67719445	0.00503848
O	18.43616900	6.60343200	12.09822000	-1.49587903	1.39845798	0.24305713
H	18.30474500	7.18999100	11.29260000	0.15981940	-0.96598258	0.11270106
H	19.16287200	6.03050400	11.93702500	0.96965804	-0.59981556	-0.58285195
O	4.04547200	0.39041100	6.10963600	-2.25217939	0.99783613	-1.03955982
H	4.73908200	0.84247400	5.58655500	0.77151549	0.04021374	0.40569623
H	4.31864000	19.76806600	6.75478500	1.28612242	-0.92404854	0.74519080
O	11.67789400	2.50233200	0.49197700	1.07239034	1.10481334	0.32465097
H	12.26211500	3.26932400	0.77575700	-1.09567275	-0.39693878	-0.58776053
H	12.28750300	1.75250800	0.62726400	-0.68186625	-0.36325756	-0.00532839
O	19.19024800	15.93199500	9.78112800	-0.76778930	-0.35927615	0.89552942
H	19.20010000	15.75322200	8.82684900	0.13204078	0.25923721	-0.66079001
H	18.24217200	15.84360500	10.09616400	0.70561539	0.33240318	0.05977285
O	12.31321000	17.16411400	2.84050300	-0.77385087	0.06337039	-0.52971081
H	12.51757200	16.60227600	3.60789700	0.32152443	-0.31713129	0.55205856
H	13.07746800	17.72454500	2.68127700	0.49465427	0.31444142	-0.25330566
O	5.32425700	6.65875400	14.34242900	0.11505247	-0.66335855	-0.78340917
H	5.15625600	6.03797000	13.52512200	0.00066965	1.27032430	1.39264036

H	4.45193500	6.67545700	14.82747300	0.52455985	0.07293143	-0.29573792
O	17.80535700	18.17070400	15.16497500	-0.88032513	-0.52552216	0.90196115
H	18.69826900	18.20549600	15.50981300	0.96970451	0.35793302	0.17071034
H	17.81599800	18.26604500	14.19450200	0.26123195	0.04710028	-0.71641656
O	2.78513800	7.75070500	8.50751800	0.98409961	-0.40805309	0.33272797
H	2.59094500	7.40087400	9.41525300	-0.13918245	0.14894726	-0.20704982
H	2.04837800	8.33080800	8.31060400	-0.68312766	0.30863723	-0.18057988
O	12.94986500	5.58912600	18.19344300	-0.71339729	-0.61770979	-0.28241290
H	12.30556800	4.98488900	17.68361900	1.18641095	0.53021404	0.24886574
H	13.81651600	5.43706900	17.76556000	-0.39840176	-0.22964374	0.37287868
O	3.08940000	12.37450900	2.89228500	1.33030689	-0.33117625	-0.60891368
H	3.31665400	12.41164100	3.83493400	-0.32460780	-0.01632445	-0.12859376
H	3.88161700	11.90036400	2.50521300	-1.03669227	0.49526773	0.24159090
O	18.86004800	13.67485900	0.54671700	-0.32861993	0.79642926	1.39306269
H	19.80421400	13.51347400	0.38287600	0.15535002	-0.45565611	-0.38897082
H	18.30718800	13.37730200	19.83877200	0.06982508	-0.54457643	-1.04909726
O	18.80842000	9.24576700	17.55378900	-0.63533671	2.31205370	-1.04589401
H	18.46364000	8.62564700	18.14034300	-1.62316007	-1.73250505	1.87091452
H	19.68440600	8.93132100	17.51784300	2.14689263	-0.62668350	-0.51034606
O	0.83520700	4.38229600	17.98428300	-0.54208424	-0.21672841	0.45237340
H	0.91483200	3.67268400	18.67154500	0.11780016	0.55284907	-0.02321019
H	1.73889000	4.72452300	17.93510200	0.19452684	-0.01446644	0.05313559
O	1.49497500	14.75367000	5.83842400	-0.02311047	0.49210556	-0.43560571
H	2.25283600	15.34445400	5.58476500	-0.14132571	-0.58493037	0.16323770
H	0.92262900	14.76655300	5.02645500	-0.02070013	-0.36191045	0.03826843
O	4.58287100	5.30601500	12.32594600	-1.63749272	2.64901262	-0.94255324
H	4.72022300	4.40046600	12.47623300	0.46168751	-3.04449365	0.31812304
H	3.58868100	5.38238400	12.31659800	1.20467311	-0.08049869	-0.14248539
O	15.60644400	15.64110200	8.09203800	-0.95452931	-0.36827675	-0.40070548
H	16.37119700	15.80045500	8.65080700	0.19991161	0.63830437	-0.18126918
H	15.59085700	16.21249400	7.30157700	0.76388110	-0.18596752	0.67054195
O	13.34806000	3.74283500	8.27129900	0.84680674	0.62383510	0.15029229
H	13.92321300	4.58947000	8.42042000	-1.63659306	-0.85347603	-0.09180690
H	12.40063000	3.93466700	8.12264700	0.93546944	0.43251268	0.10044790
O	8.19523700	7.15820900	11.80517300	-1.15936502	0.72391724	-0.88616250
H	8.96906600	7.55560800	11.36740800	0.16610158	-0.07033188	0.05244474
H	7.37935800	7.42394300	11.25647000	1.11217294	-0.42754596	1.15952356
O	0.83179700	3.95841900	4.60690500	1.84850959	-0.66413282	0.51608310
H	19.82694100	6.08789200	2.95959700	-0.12121918	0.27735844	-0.08897052
H	1.66449500	3.42440500	4.81612100	-1.79290250	0.87238884	-0.04183841
O	13.34362100	2.89498500	11.82335900	-2.14850033	-1.01911877	-1.79050507
H	13.98902900	3.03849800	11.14826000	0.84031148	0.07107439	-0.55937798
H	13.63008700	3.26989600	12.62831200	1.12453131	0.94452105	2.05040776
O	4.49142600	14.80385800	1.25400000	0.14070638	0.48970112	0.30943622
H	3.79149100	14.20940700	1.50213300	-0.30364651	-1.12116082	0.32241559
H	3.97844400	15.65736600	1.28279800	0.67074001	0.36399814	-0.17302195
O	10.26125900	6.55830200	6.27117100	1.02674284	-2.14591733	-1.40193878
H	11.04242300	6.23247500	5.66484000	-1.37756723	0.65012895	1.23362905

H	9.89888200	5.68050800	6.62586700	0.15091335	1.25488894	-0.02010098
O	6.51725100	10.91473900	3.73730300	1.17777159	-0.26162276	-0.42132661
H	5.66011600	10.91152900	4.14834300	-1.46809184	0.05289934	0.49958144
H	6.87281000	10.07590200	4.05159400	0.31672896	-0.13084649	0.06688987
O	19.22466900	13.89790700	16.21080800	-0.32478046	-0.95813977	1.49322121
H	18.94615000	13.18510200	16.87442800	0.21604716	0.76839491	-0.80499359
H	18.41578100	14.05208800	15.69921900	-0.20461149	0.21063636	-0.14078956
O	8.31862000	14.45719600	12.17639700	-0.13321753	-1.61198415	-0.07894074
H	7.82550800	14.94194400	11.48466500	-0.19276244	0.55842338	-0.20609649
H	8.28042800	13.51178100	11.86530200	0.42131956	0.81293204	0.31035590
O	7.53707100	12.97357900	16.35899000	-0.41833246	-0.18707402	-0.00218259
H	7.22592400	13.62219300	15.70531300	-0.53161436	-0.18803522	-0.65470082
H	8.31172800	13.45863500	16.62590400	1.01746344	0.19624155	0.75888095
O	13.61534000	19.94145800	7.60481500	-0.36196123	0.35419133	0.35530541
H	13.55783200	19.86346800	8.60316200	0.07264736	0.05232934	-0.05583110
H	13.89284700	0.86474500	7.36298900	0.40530652	-0.43276895	-0.09721115
O	5.61455600	19.36470000	11.51494400	1.36306130	-0.36848145	0.78536332
H	6.49871900	19.07561700	11.93471100	-1.58565706	0.41111360	-0.81590020
H	5.75378200	19.34091600	10.55919900	0.14155436	-0.20560514	-0.03892134
O	15.45402300	10.19673300	9.57388100	0.24282481	-0.46210209	-0.03475735
H	16.42580400	10.30839300	9.64102200	-0.23268262	0.25884538	-0.06014199
H	15.29872900	9.37841100	10.08048500	-0.14821193	0.13261109	-0.13008648
O	2.02661200	1.56162500	8.00430300	-0.43906152	0.00159239	-0.86309583
H	1.26223000	1.65161700	7.33894100	0.85025298	-0.25842931	0.86428369
H	2.82484800	1.39993100	7.44761100	-0.47244525	0.19339052	0.12666189
O	16.62726400	10.65229000	4.54535000	-1.05969546	-0.39868737	0.64802685
H	16.92162500	11.42183100	4.07103300	0.35344051	0.87431683	-0.75933241
H	15.74866600	10.90749900	4.88644500	0.16165924	-0.27443237	-0.11630684
O	14.86634000	2.12933000	6.50600600	-0.41866506	1.70157963	1.36140268
H	14.41066700	2.78800900	7.15405900	0.33441403	-0.95225845	-1.14006456
H	15.82671500	2.39021600	6.66118300	-0.39004953	-0.58880851	0.08416440
O	17.83756600	19.58941100	0.04477000	0.22303928	0.57493528	0.20507399
H	17.46231700	19.76179700	0.92330300	-0.04722382	0.11822074	0.23051049
H	17.52395200	18.71992500	19.77802700	0.04086332	-0.14040167	-0.46030696
O	10.81371500	7.27470100	10.48743000	-0.47341477	0.88332060	-0.14534374
H	11.00762900	7.57781400	9.58249600	0.07318130	-0.13765612	-0.05048345
H	11.54005800	6.69457000	10.77804200	0.12327147	-0.26540757	0.21162996
O	9.19081700	10.23734400	6.71704300	0.51958150	0.17302767	0.36900349
H	8.97377900	9.77842300	5.89729900	-0.44365171	-0.43528927	-0.11106280
H	9.19426100	11.18226700	6.48109300	-0.04080771	0.40712080	0.00384649
O	18.55117800	1.76676300	18.45637900	0.58611318	-0.11942434	-0.46035544
H	19.25672900	1.29425700	17.93554900	-0.43909651	0.73678153	0.22958737
H	18.34389100	1.12876400	19.15650200	-0.28151425	-0.76346398	0.20775303
O	16.60255100	11.49521100	15.38204600	-0.87520431	-0.29734607	-2.60146247
H	17.00649100	11.54873700	16.21623200	0.63978876	0.29602671	2.30547812
H	15.66784000	11.77363000	15.43639600	0.31386365	0.14489444	0.28474606
O	15.46233800	0.04230200	11.92387200	-0.23448371	-1.94495726	-0.29792601
H	15.84729200	0.87071000	11.64104500	0.20653930	1.12721183	0.04189637

H	14.97916400	0.20504800	12.73670000	-0.03311966	0.61154546	0.23772975
O	5.56735600	8.07812500	5.27071700	0.20555289	0.10823230	0.12318137
H	5.03413900	7.33799100	4.95302500	-0.53415182	-0.48123988	-0.32260088
H	4.98512300	8.86047100	5.30755200	-0.12828478	0.02111347	-0.09225210
O	5.46195300	11.09386100	1.08933800	0.37555095	0.89826314	-1.56465415
H	6.11404200	10.71980300	1.65425100	0.36421640	-1.02075290	1.80268809
H	6.14927700	11.53359900	0.51456300	-1.12772104	0.27164295	-0.31315338
O	0.51598300	3.20332000	15.64750700	0.18228606	0.00767132	-3.23528082
H	19.78407300	2.77734400	15.14492100	0.58925077	-0.16547135	0.65418767
H	0.35446200	3.20431400	16.56500100	-0.49570386	0.27919646	1.92314729
O	5.08806900	11.84448000	13.68469600	0.88378634	-0.02710733	-0.05606107
H	5.44364500	12.74053600	13.89445900	0.55641129	0.07748171	-0.08398892
H	4.13201600	11.97917100	13.38999400	-0.18760494	-0.56841551	0.18127243
O	0.82331100	15.60242400	13.13663700	-0.03991959	0.05984793	0.59623807
H	0.09671200	15.14343400	12.71410200	-0.50220827	-0.22422345	-0.54936460
H	0.97864000	14.93708300	13.86269600	0.34459376	0.08515074	-0.04231603
O	13.85987000	8.88048100	6.58823700	0.51501870	1.16653835	0.35522847
H	14.17512400	8.20364200	6.00644800	0.15560837	-0.99890790	-0.65089102
H	13.06078100	8.62016000	7.03787300	-0.84231314	-0.72506820	0.48269634
O	5.61573300	14.62997600	18.73657400	0.74554641	-0.42125611	1.43886822
H	5.65121000	14.35045700	19.70196200	-0.59202669	0.42885656	-1.46154434
H	5.21420200	13.89356800	18.25727500	0.04539810	-0.54083178	-0.00275448
O	1.82602000	11.87017800	6.01528200	-0.03651216	0.23081910	-0.46168633
H	1.22834200	11.38064200	5.38602000	0.03422760	0.42378622	0.55671202
H	1.63205400	12.80871400	5.77583200	0.30629953	-0.31208626	0.35584056
O	3.20428800	0.73109000	12.55571800	-0.68400079	-0.04911433	0.40698014
H	3.79107600	0.22072500	11.99659200	0.61916370	-0.44569515	-0.54392668
H	3.28428400	0.27688600	13.42780800	-0.08953445	0.17665340	0.32278819
O	1.82944400	5.59698600	3.05665600	-0.11146558	0.19061345	1.15337065
H	2.33591200	5.13519200	2.39185300	-0.17256840	-0.14922818	-0.66324610
H	1.35430000	4.80768700	3.89479100	-0.17954267	-0.12163319	-0.61299077
O	14.08893500	3.81281400	14.22056200	-1.09893998	0.33788355	1.25553684
H	14.29031600	4.77239700	14.36779700	0.05817147	-0.50098939	0.03273289
H	13.33021800	3.66438800	14.87713900	1.17439201	0.09774172	-0.84161261
O	15.29540600	16.01359700	1.73101800	-0.43483228	0.97308399	0.27670944
H	15.07633700	16.98726100	1.70663400	-0.11482764	-0.80668225	-0.19979530
H	16.22928400	15.96815900	1.44711600	0.55260972	0.11075991	-0.06810822
O	8.58421800	4.54531300	3.51831800	0.68750467	0.05172008	-0.55420870
H	7.62252400	4.53033900	3.41854000	-0.49583370	-0.12858092	-0.01558905
H	8.85799200	3.73047200	3.01743900	0.13829787	0.15383640	0.58774445
O	17.35823400	5.08619900	5.30396700	1.07934787	0.66587472	0.39522687
H	17.77829900	5.04806400	4.43728500	-0.16458893	-0.35479842	-0.88754682
H	18.14337300	5.50866000	5.76111700	-0.55376037	-0.28675096	0.50103034
O	4.49496800	8.78656000	19.31749900	-0.20794195	0.01652091	0.08842517
H	4.59248400	9.58003900	19.85775900	-0.34643236	0.67517751	0.23237405
H	5.36587000	8.38879300	19.49469000	0.37053881	-0.52980510	0.17955158
O	17.64587200	18.39462900	12.54085100	-1.27981785	0.88312146	-0.29314579
H	16.76946800	18.89988700	12.36039400	1.18579322	-0.20375616	0.12836964

H	18.31846000	18.94806900	12.10485200	-0.09661694	-0.08619308	0.10040564
O	9.74533700	2.35516300	2.40537900	1.30386280	0.22072003	1.57796043
H	10.59524100	2.31371200	2.97305200	-1.55465126	-0.39087467	-0.24220964
H	10.21390400	2.54612900	1.58633400	0.19751041	-0.11607430	-1.22213524
O	7.30168500	14.04290400	8.13258200	-0.44491925	-0.50671599	0.17862517
H	8.19813800	14.11197600	7.77041200	0.24682652	-0.33044600	-0.16458051
H	7.04992200	13.09686800	8.02351700	0.41502657	0.85426374	0.09475638
O	2.68996500	11.84338400	13.02609300	-0.22096700	1.09383271	-1.39279397
H	2.07602000	12.37120000	13.62775200	0.34463531	0.03970930	-0.77636208
H	2.83731200	12.32854600	12.11946800	-0.94125634	-0.78960813	1.64087129
O	6.89275700	7.76923100	19.94578000	0.18344645	-0.60734693	-1.24794060
H	7.59496000	8.32426900	0.28861300	0.53930453	0.72211620	0.89681664
H	7.15731500	7.90807400	18.99720600	-0.38453459	-0.51432728	-0.07214373
O	1.12498700	17.98667100	10.89427000	-1.81082781	-0.84367461	-1.13885867
H	0.46026000	17.33368100	10.49102700	0.86213067	0.99593060	0.49247088
H	1.69121600	17.41246200	11.41615400	0.85805249	-0.52184106	0.61221675
O	15.75325400	15.28355000	4.36249900	0.83886898	0.61408841	0.39394256
H	15.81339600	15.83714500	3.55042100	-0.43323734	-0.56207895	-0.14528331
H	16.37275700	15.79529400	4.96885700	-0.60861904	-0.35875063	-0.18000681
O	16.47096800	2.78287300	11.06313400	-1.40937159	1.38493366	0.58515377
H	17.37083200	2.55900700	11.24460000	1.45584966	-1.13879792	0.12855259
H	16.33472300	3.47783400	11.77868800	-0.35299362	-0.41752628	-0.79347587
O	0.68724100	18.47510300	16.07954400	-0.35891602	-1.36585505	0.08193814
H	0.67165600	17.59173800	16.58291200	0.09542658	1.01331171	-0.78822645
H	0.95021900	18.31330500	15.13993600	-0.05636352	0.24093067	0.97271301
O	1.42289900	8.23739800	17.10929700	-0.35242445	-1.66043839	-0.15643956
H	2.08283800	7.69271800	16.61314800	0.06753327	-0.02878773	0.20966915
H	1.54727600	9.09659400	16.74591400	0.78079045	1.95790603	-0.37225304
O	15.76026900	12.70994800	7.16179800	-1.18601389	-0.95300536	0.33650674
H	16.21078700	13.41520900	6.69518200	-0.41973141	0.26402359	-0.45537995
H	14.88461000	12.45653400	6.72566700	1.69233979	0.54297002	0.14054296
O	8.16461100	0.80118500	4.08075400	-1.56886204	-1.98500811	1.90780245
H	8.45509700	19.89662000	4.36113800	0.02343381	1.11291357	-0.35696843
H	8.78582200	1.12705700	3.47016100	1.66340898	0.73182301	-1.65001046
O	13.19471800	7.89943600	16.85539400	0.09061779	-0.21431745	0.25596561
H	13.87726200	7.30314600	16.46396100	-0.08751069	0.31230166	-0.48490033
H	12.78747600	7.28673200	17.51199000	0.23770082	0.17298346	-0.09425008
O	16.17398300	4.95844800	12.69426400	0.70126583	-0.18492118	0.18507599
H	16.30145100	4.34278000	13.44117900	0.10542764	0.72032920	-0.08741298
H	17.01789500	5.49153800	12.61486400	-0.60427180	-0.48305994	0.08382851
O	0.21186200	16.24237800	17.64519300	-1.80505446	0.02786022	-1.41779600
H	19.77422700	15.51261900	17.10657300	0.97012029	0.43775858	0.73688358
H	0.96772900	15.89215600	18.12185500	0.63199631	-0.73459093	0.47601837
O	3.84754700	2.99611000	15.72717800	0.41603585	0.05360063	-0.86941615
H	4.60112800	3.47547600	15.35063800	-0.09148265	-0.25446168	-0.22168832
H	3.79012900	3.40190800	16.58734100	-0.29055120	0.20915604	0.93985095
O	10.56212500	12.46467800	15.31795200	-0.95878345	0.77731573	0.56588852
H	11.15573000	11.85302200	14.90718600	0.75449779	-0.77690198	-0.06234056

H	10.51799800	12.33649200	16.33782400	0.19724919	-0.50548183	-0.70687680
O	9.33560300	15.31751400	17.34394500	0.47919257	-0.04892059	-0.02587859
H	9.69675800	16.02537200	16.75313000	-0.49462993	-0.07724297	-0.23428624
H	8.84254200	15.74739500	18.06313100	0.15005970	0.24344455	-0.02371734
O	4.33024600	10.15213500	8.91715900	0.36284617	-0.69975579	0.29525346
H	4.17783200	9.20961700	8.60707900	-0.23857608	1.02781790	0.40654034
H	5.29209500	10.29399400	8.80792100	-0.04020119	-0.20414766	-0.46365788
O	1.89294000	11.05282100	16.17880600	-0.52274216	-0.06499558	-1.55514042
H	2.74511400	11.03964600	15.65476300	-1.37910632	-0.15152551	0.81533440
H	1.10912100	11.19154500	15.51099900	1.72030247	-0.04584052	1.00474612
O	6.61516000	6.82274200	8.19994600	-0.59861671	2.18943386	-0.05498729
H	7.35801700	6.25549200	8.06044700	1.00221664	-1.13553890	-0.35635917
H	6.93799400	7.72082600	7.93138600	-0.34664958	-0.82029221	0.19503542
O	1.88103200	0.31643300	3.95744000	-0.76518143	-0.18124805	-0.18153515
H	2.52807000	0.27315400	4.66892900	0.51199905	-0.31706099	0.24541769
H	1.65705300	19.39001100	3.69361100	0.64728337	0.51014005	0.13792268
O	1.34401400	13.56232400	14.74821100	-1.11780275	-0.02914687	-0.83750719
H	2.11180200	13.72677600	15.28526200	1.38190687	0.27952504	1.11969625
H	0.58951600	13.63289500	15.40131100	0.02944180	-0.36388594	-0.56645423
O	17.96670300	11.39134000	10.14135800	1.02438466	-1.28358742	-0.43584681
H	17.57653000	12.20888200	9.85430300	-0.74609035	0.87129033	0.23532360
H	17.57000000	11.18681500	10.99666900	-0.39402931	0.28996676	0.64241951
O	11.26068600	8.42879300	7.80550500	0.07232570	0.95695124	0.02992557
H	10.70962900	9.16462900	7.48762200	0.03369160	0.63798179	0.36437366
H	10.93682900	7.79799000	7.14008900	-0.07358914	-1.39023364	0.04826609
O	19.88408700	14.54641200	3.63064200	-0.42104510	-0.26128702	-0.35772115
H	19.55627600	15.45880700	3.47198700	-0.17865289	-0.49771144	0.32086225
H	19.08290700	13.96679000	3.49624800	0.68648274	0.62440162	0.29013089
O	9.59847500	13.60059000	1.00256200	0.51720372	0.95119671	-0.03831514
H	9.90056000	14.55113700	1.15649400	-0.28091175	-0.81527086	-0.23344015
H	9.12940400	13.33103700	1.80195600	-0.30272509	0.15658314	0.68663703
O	3.32457000	0.22604200	15.18149200	-0.31041542	-0.44688191	-0.18761314
H	3.73816800	1.06443400	15.39778500	0.25037823	0.70740446	0.27136439
H	3.91034400	19.55904600	15.57338600	0.18977766	-0.14962246	-0.01105220
O	11.40388900	10.19409600	19.43942300	0.19753195	0.22847354	0.36765437
H	11.55877400	10.86195400	0.19822600	-0.09732182	0.05349540	-0.44168855
H	10.62021400	9.71324800	19.76298300	-0.30194716	0.00876196	-0.22156778
O	0.72057800	18.66942000	7.07208800	1.16127320	0.41359980	0.61267827
H	1.37898600	18.74149500	7.83072300	-0.62583256	-0.01617244	-1.23722771
H	1.11737000	19.18082400	6.32578900	-0.45781439	-0.37154910	0.79660636
O	17.49496800	13.00001700	3.38951000	-0.80531740	0.79057694	-0.39089556
H	17.36751200	12.96449000	2.41682800	0.09918583	-0.04987940	0.57381649
H	16.79266400	13.64138700	3.70931100	0.75296457	-0.46307160	-0.33397867
O	8.12439300	4.88346400	0.70440900	0.28546188	-0.47050365	-0.10376230
H	7.75006100	5.75112300	0.54170700	-0.23050167	0.67710913	-0.09128093
H	8.61934200	4.96418300	1.53900000	-0.38301382	-0.04449537	-0.20131054
O	12.54269600	5.79493900	11.92308300	0.14222612	0.20074563	-0.14748618
H	12.67422200	4.92330800	11.54942000	-0.44777343	-1.25526211	0.05331369

H	13.41646400	6.15617800	11.70286000	0.51881112	1.02773459	0.34426809
O	16.72791100	16.26497800	11.13353200	-0.22390002	-0.69604307	0.75071430
H	17.03160300	17.11974700	11.48543200	0.27557189	0.26152856	-0.22975967
H	16.54189700	15.79105400	12.00763500	0.07853842	-0.02659628	-0.76205387
O	12.91049800	15.66161000	8.91773400	0.84153329	-0.47431835	-0.46621514
H	13.75131200	15.20503800	9.14865100	-0.52119793	0.18033153	-0.55594867
H	13.14292500	16.36333300	8.24228100	-0.22975030	-0.36394020	0.51000810
O	16.98686000	15.49190300	15.54080600	0.64066606	0.08178827	-0.20235898
H	17.37612200	16.37745300	15.52727700	0.52116535	0.65662566	-0.90746599
H	16.45471600	15.62141500	16.31187100	-1.38795806	-0.67291301	1.42536598
O	10.17429800	15.27754300	8.32344800	-0.63930147	0.39112375	-0.89317181
H	11.09855500	15.19862500	8.58837000	0.62404903	0.03343421	0.38462894
H	10.23841700	15.47316400	7.36691200	-0.08062102	-0.13685403	0.44688332
O	6.48283600	9.08275000	14.10103500	0.05247531	1.37235690	-0.36436752
H	6.18120100	8.14962200	14.06440500	-0.50050947	-0.84491502	0.10907559
H	7.37864600	9.15004000	14.46860800	0.49790622	-0.18165006	0.33357895
O	8.18387600	0.93612600	10.51636800	-1.08057016	-1.73486396	1.81437008
H	7.94733900	0.26884400	11.26655300	1.10378513	1.33705148	-1.42819506
H	7.26052700	1.28252000	10.31660800	0.88705396	0.31778386	0.15262006
O	17.34478800	3.00077200	7.07507100	0.17476928	1.14136336	0.95850835
H	17.42895700	3.62970100	6.33248000	0.10477473	-0.07126947	-0.77324441
H	17.31247100	3.69929200	7.79265800	-0.08907309	-0.83565368	0.10483526
O	18.42677700	6.03794400	18.06806400	0.68928803	-0.41059015	-0.31353989
H	18.42565900	6.27896200	18.99358600	-0.30391112	0.55816570	0.77841909
H	19.25226200	5.50338100	18.04147300	0.18818403	-0.12942553	-0.25942430
O	13.51564900	12.48426300	9.33257000	-0.84884510	-0.42692017	-0.38402598
H	14.28670200	12.13121100	8.85611500	-0.18440322	-0.24023152	0.21581209
H	12.77124100	11.82902400	9.21915400	1.02494647	0.65780321	0.28066376
O	0.27007100	9.38311800	9.17408900	-0.41556613	2.45483216	-1.78474849
H	0.23132100	10.43618700	8.96680700	0.04392242	-2.62597988	0.83341330
H	0.77168400	9.29628800	9.97936900	0.36438375	0.33999906	0.86428166
O	4.19307200	9.46603100	16.73889900	1.19006476	0.49348319	-0.29097316
H	4.34083800	9.18228000	17.68666500	0.06716037	0.00870255	-0.47236909
H	5.09143600	9.51898600	16.31824700	-1.01351352	-0.53615772	0.58171645
O	6.70013600	5.57514600	16.71970400	-0.00618543	-0.31887623	-1.13096079
H	6.63070600	5.52967900	15.72526400	0.18161101	0.29405455	0.88193425
H	5.77754800	5.57397900	17.01023500	-0.15950706	0.07864341	0.19073853
O	16.15782400	4.86090300	17.55554200	-0.44564984	0.64120339	0.11223402
H	16.07223500	3.91152000	17.54276700	-0.22471141	-1.02347039	-0.21068700
H	17.09021800	5.04753600	17.79822900	0.18592615	0.31776778	-0.19230515
O	5.03048700	17.07049800	18.25069400	0.30882044	0.47342512	-1.76285212
H	4.80241900	17.36633300	19.11237300	-0.20039643	0.44073780	1.37497214
H	5.22186400	16.11422300	18.29420500	-0.17486595	-0.19646877	0.38121898
O	3.08878300	16.56248100	12.34614200	0.15481162	-1.32218879	-1.24820120
H	2.40799300	15.85423600	12.52618500	-0.05610785	0.78789943	0.25298211
H	3.50207700	16.19138300	11.49868100	0.14310950	0.72324458	0.96656273
O	17.18195200	0.49351900	5.18930900	-0.85718836	-0.03297499	-2.17861749
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H	14.00654600	5.89085400	6.93371300	-0.37713266	0.51432114	0.56042399
H	13.48494300	6.32848900	8.34348400	0.29240182	-0.00948777	-0.64868450
O	8.93644000	9.15578800	14.08916700	0.32631273	-0.51203908	-0.94096588
H	8.59176900	9.80359000	14.71249600	-0.29185706	0.74671710	0.66823606
H	9.89541400	9.19185400	14.26355400	0.01928548	-0.05532672	0.41688566
O	2.84177400	8.76632100	3.06263200	0.58248399	0.99193479	-0.42113540
H	2.74953500	7.86132900	3.35453000	-0.27417938	-0.94212839	0.60805322
H	3.07081200	8.64556000	2.13347000	0.30601551	0.23657728	-0.43814011
O	8.33823600	16.62884300	19.90774200	-0.36915589	-0.70171850	-0.55656027
H	7.65929100	15.99631700	19.50169600	0.69898383	0.57274605	0.83247498
H	8.63217800	16.27290700	0.77868700	-0.32136012	-0.48029579	-0.09267724
O	18.26494000	15.58605200	6.16026000	-0.74593147	0.71381326	-0.66853820
H	18.45434200	14.91817200	5.43018400	0.18962400	-0.11743963	0.84855082
H	18.74540700	15.44114900	6.96807300	0.85792791	-0.67820984	0.33571365
O	6.02717800	12.53876900	13.10519500	1.46006292	0.22418120	-0.23404234
H	5.16489200	12.94884600	13.13008600	-0.82148834	0.26071773	0.08641689
H	5.93149100	11.57128000	13.13607600	-0.60291689	-0.20716521	0.08316084
O	11.48833600	17.19895600	0.09994900	0.18041459	-0.69788895	1.72440941
H	12.31921400	17.23215700	19.60857000	0.09871140	-0.03148052	0.13303692
H	11.71076500	16.82135200	1.04867600	-0.26740725	0.67787835	-1.89433345
O	16.94315100	15.02478200	14.04899100	-0.95486242	-0.22676208	1.01453870
H	16.03519800	14.64452600	13.87188700	0.21283321	-0.01155420	-1.07824527
H	17.10378500	14.69457400	14.94862100	0.74644897	0.08245860	0.39257098
O	11.10454700	6.84340000	5.77972700	-0.21879091	-0.57362721	0.60150656
H	11.47974900	7.28513800	5.00290900	-0.03776520	0.38198914	-0.37331696
H	11.83048100	6.67637700	6.41387300	0.13676873	0.05712960	-0.10468226
O	7.54966900	9.58816400	7.61233500	-0.47646688	-0.03006902	-0.85719437
H	6.75576500	9.79362700	8.09777400	-0.64279618	0.44111452	0.42309847
H	8.17218300	9.26533700	8.25831900	0.88490075	-0.48319187	0.44055187
O	19.22163400	17.65334700	3.25101000	0.42900627	-0.04134064	-1.77578403
H	19.06975900	18.35022000	2.57782700	-0.26242840	-0.46696549	0.36739566
H	18.68735900	17.89994200	4.01016300	-0.78785309	0.35909076	1.09539502
O	1.77972800	18.08396700	2.78543500	2.05842233	1.68605838	0.69708238
H	0.88547400	17.79344000	2.95654800	-0.92520993	-0.28831992	0.93061630
H	2.04937100	18.73011000	3.55228100	-0.81959035	-1.41235374	-0.97924154
O	2.58922100	19.21403900	14.24438600	-1.67514970	-0.17201755	-0.17569211
H	1.60661700	19.21268800	13.92393900	1.90592193	-0.19136005	0.54316308
H	2.63727300	18.61134000	15.01683600	-0.26471218	0.53087535	-0.67052392
O	11.84213000	19.97444000	2.70360300	-1.60207580	-0.56891157	-0.60434094
H	11.51071600	0.47421600	3.45324300	0.12835618	0.49540054	0.59240408
H	10.97001400	19.78920200	2.21796200	1.59960059	-0.03006377	0.02647598
O	13.19726300	17.07756000	15.89905500	-0.47590398	1.22062135	-0.26323763

H	12.71611900	17.89869300	15.56572500	0.49262899	-1.03106092	0.57452092
H	13.45116800	17.39562600	16.80664400	0.15898790	-0.08836306	-0.38494709
O	19.32808300	2.01687400	7.33756500	0.51244176	0.70697003	-0.90548374
H	0.19568600	3.48882500	6.06819500	-0.33217005	-1.07305202	0.21709240
H	19.53792400	1.06376300	7.25039400	-0.31079266	0.10397591	0.53380050
O	8.43226900	10.35216600	19.90294600	-0.57864105	-1.95989662	0.58100848
H	7.94633800	9.74799200	0.57250000	0.94127462	1.56289962	-1.27007628
H	8.30747600	11.28300700	0.16000100	-0.30196506	-0.07429846	0.08144966
O	12.03444600	19.68563300	15.74651800	0.51363180	0.54964614	0.01809568
H	12.19269000	0.23871600	14.92200900	-0.99448095	-0.51767240	0.39088392
H	11.18448900	19.92063300	16.16793400	0.17318336	-0.10097365	-0.45248704
O	12.77096800	12.42624200	19.62466000	-0.69652076	-0.75462803	0.95228434
H	12.82587900	12.89820500	18.80180400	0.35887073	0.47004832	-1.14190563
H	12.10501700	12.91143200	0.16258600	0.14122953	0.10609127	0.01272972
O	4.11521600	3.07033000	7.11862500	-2.78288432	-1.13157409	-0.38340022
H	5.00496800	2.88799200	7.30054300	2.61090841	-0.30063781	0.61947289
H	4.03955300	3.99049200	6.89405400	0.21443260	1.09529509	-0.36296751
O	10.02827800	19.54702000	18.06724000	1.26890314	0.13050488	-0.03143682
H	10.91051200	0.01549900	18.23879100	-0.78649934	-0.92926240	0.33349143
H	10.16624400	18.55963500	18.02180500	0.07204316	0.80795652	-0.14275624
O	16.55341100	10.34985800	17.42942600	1.04784104	-1.41383645	0.62511366
H	15.80635600	10.54143500	16.84404600	-0.62057116	0.12693611	-0.37083183
H	16.52590000	9.35989000	17.57436900	0.10607801	0.96697636	-0.13885897
O	13.68058000	1.99748400	16.45286900	-0.34863263	-0.27293249	1.07079985
H	12.99897500	1.25101300	16.31685400	1.22396624	0.94122669	0.83692765
H	13.94783300	2.02196500	17.43133500	-0.88377534	-0.54742806	-1.70689050
O	3.26146700	16.17044800	16.51993200	-0.41560914	-0.77252159	0.97890286
H	3.78945300	16.57770000	15.83720000	0.70445643	0.96134122	-0.79115239
H	3.75351000	15.33498300	16.65177900	-0.05476215	0.03139849	0.19837238
O	0.72413500	16.67679600	8.45785100	1.27804887	-1.53439458	-1.11088062
H	1.40071100	16.03650900	8.02352300	-1.14396803	1.26040348	0.95393619
H	0.37107900	17.19902600	7.71416100	0.03831474	0.31407226	0.29586781
O	16.81410400	7.95982900	5.59293700	-0.37064954	-0.76389346	0.89246017
H	16.21719600	8.54313100	5.11373700	0.33396231	0.37432359	-0.66907569
H	17.69912100	7.84868700	5.15173800	-0.39496083	0.50201180	-0.41035915
O	8.97485100	13.30243200	5.69082500	0.90035020	-1.31555502	-0.40794682
H	9.23607200	12.32130100	5.72281800	-0.54823209	1.13248840	0.07931859
H	9.83868200	13.76813300	5.76370400	-0.29944251	0.06461649	0.27630307
O	3.76770400	5.50633200	9.71190600	1.37111370	-0.50342953	0.81503212
H	3.47958500	4.69683600	10.16717200	-0.29213280	-0.11265291	-0.14693093
H	4.74100700	5.28456300	9.40977500	-1.17638340	0.36075140	-0.42728645
O	18.95693800	5.71527200	7.90618200	0.35604394	0.15032637	-2.32416090
H	19.51455100	5.28443100	7.18506800	-0.71020550	0.46418137	0.90013156
H	19.26346200	5.37264000	8.72880400	0.48067455	-0.71337889	1.12724972
O	9.51935500	9.82387700	2.99349400	-1.48661299	1.83291111	0.20976895
H	9.76962600	10.80122200	2.89915600	0.46569772	-1.48475200	0.12478915
H	10.25988800	9.24004000	3.12062100	1.29620484	-0.17347266	0.14871936
O	3.73056600	1.83812300	4.44591600	0.27024224	-0.27141914	1.68765174

H	4.59972300	1.57485000	4.04571500	0.00748365	0.10533583	-0.08624092
H	3.94693900	2.10828900	5.39548800	-0.27762557	0.05622815	-1.31542628
O	9.33587000	10.44961500	5.80964600	-0.20359051	-0.00680209	-0.85914138
H	8.62140500	10.07727500	6.36149100	-0.13586216	0.06028780	0.05570182
H	9.24016000	10.03008800	4.91031700	0.31406034	0.39502991	0.50997494
O	3.73399700	12.70754300	4.12474200	-1.67780982	0.98565955	-0.33431583
H	4.28260100	11.95916700	4.28364800	0.77416289	-1.39011224	0.45284310
H	2.92543000	12.65423000	4.70892000	1.04251626	-0.01082941	-0.44541177
O	0.19293500	19.18515200	0.61293400	-1.10611630	0.97982938	-1.15343705
H	0.72954000	18.84872800	1.32158100	0.93694657	0.03186607	0.99034619
H	19.74161700	0.02926600	0.88563200	0.40709896	-0.65577859	0.11462728
O	11.90409500	17.14421700	10.47636300	0.78182572	-0.03017912	-0.93300411
H	12.41579500	17.80342700	9.95318900	0.32460515	-0.46594246	0.08135151
H	11.29151900	17.76163900	10.89757700	-0.60903977	0.46074695	0.70814287
O	19.65550800	8.79457100	14.13482000	0.05264676	-0.30323302	1.51953345
H	19.81745300	9.31331700	13.34675000	-0.17951611	0.72179667	-0.60503133
H	19.55271500	9.39198800	14.94462200	-0.07834387	-0.23358972	-1.16640723
O	10.38298900	1.77785500	4.69300300	-0.79303245	-1.83092266	-0.15726502
H	10.76215500	2.60852300	4.94307100	0.78162888	1.79821081	0.14298863
H	10.27076600	1.31721700	5.53596900	-0.12206636	-0.10309849	-0.02277735
O	10.04200400	19.22653400	7.56836300	0.33455314	-0.48568909	-0.13794561
H	10.29389800	18.67886900	6.75976700	-0.86293425	0.59247699	0.10881329
H	9.08860700	19.48255200	7.58830500	0.05800306	-0.51717984	-0.44433465
O	18.95933000	3.59840600	2.78498800	-0.14933906	-1.09097892	0.60422278
H	18.72891000	3.58956700	3.73653300	-0.11564648	0.30170601	-0.33137593
H	19.26061400	4.47466300	2.52070000	0.15087360	0.80582341	0.18784841
O	19.88583600	6.10161200	2.29520600	-0.56497155	0.42059712	-1.09858114
H	19.48701300	6.56389600	1.48182400	0.85036360	-0.18711280	1.01400803
H	0.86636000	6.18829800	2.25581600	-0.09473453	0.04004195	-0.12101228
O	11.81465100	4.06256600	4.90671300	0.16701767	-0.70868550	-0.17166307
H	11.64721400	5.00565200	4.75498500	0.03420846	0.11718393	0.43892965
H	12.55302400	3.95464500	5.52712300	-0.11155626	0.57051641	-0.01166610
O	12.54759400	12.69463800	4.74859200	-1.06641131	0.90466303	-0.27580819
H	12.22605500	13.47243700	5.24949100	0.18358779	-0.14537931	-0.07567755
H	13.23796000	12.32085500	5.29552900	0.99857997	-0.67754099	0.81286392
O	0.74205800	6.34113900	13.73672800	1.32702315	-0.33072861	0.34479741
H	0.50478100	7.21222200	14.09950800	-0.68903102	0.43996590	-0.08457313
H	1.72315800	6.34746500	13.90071100	-0.61632055	-0.44431886	-0.40592434
O	19.75077100	0.26612200	10.01064500	-1.17086226	0.95237007	-0.91966845
H	19.78543100	0.02040100	10.91922300	0.88946839	-0.97200417	2.03136714
H	18.96987000	0.89301200	10.12146900	0.72315031	0.02277882	-1.24601650
O	11.92202300	8.39638200	3.72511500	-0.60027044	0.71981804	1.63739679
H	12.63991500	8.60546000	4.37431200	-0.35595044	0.64640448	-0.09826423
H	12.35967100	8.05538600	2.97290100	0.97729274	-1.17970896	-1.74150677
O	13.94016100	16.89897300	7.01297400	2.37432758	0.48871997	0.70971903
H	14.96420400	16.99537800	7.34769200	-2.41385088	-0.77115838	-0.82522417
H	13.65381100	16.01762400	7.33878300	0.14077466	0.28626522	0.27799067
O	4.45405100	7.15576900	11.89982700	0.53023334	1.61504535	-0.59623046

H	4.51745600	6.42820900	11.27306000	-0.27186766	-0.64057167	-0.77079688
H	4.41496400	6.84048300	12.81894300	-0.44500226	-0.18504203	0.75128950
O	6.06187100	19.21089600	17.39666700	0.37027030	1.69740346	-2.08966504
H	6.32396300	18.79072000	18.20333300	0.75563676	-0.33498423	1.44944293
H	6.82937900	19.83520500	17.14346700	-1.14066413	-1.07431931	0.52576416
O	11.82651500	16.12381600	2.61566800	-0.86773391	-0.46360960	-1.00848532
H	12.29049200	16.58920300	3.33410300	0.59135063	-0.12225575	0.50082004
H	12.20964400	15.23885900	2.45129500	0.29112740	0.28203534	0.32169628
O	14.93268400	5.14013200	3.30826900	0.56790920	-0.29335902	0.09996494
H	14.49083600	4.25986600	3.21117000	-0.03832422	0.23224549	-0.53384473
H	15.70170000	5.11054600	2.68979100	-0.58805515	0.07821695	0.11540426
O	17.61038200	18.10173800	5.36891800	0.79516175	0.69689318	0.99520598
H	17.88488800	17.26225900	5.86105600	-0.24974324	0.80522666	-0.50403839
H	17.98921800	18.87720500	5.87718700	-0.48640675	-1.38383739	-0.51199415
O	19.77924500	10.10663600	11.34068000	-0.20354530	-0.83320175	0.01301500
H	19.73544100	11.02689400	11.13309300	-0.18361768	1.13333871	-0.28619420
H	19.86001000	9.65204000	10.43994300	-0.00075999	0.37910818	1.35745558
O	11.04402000	4.30458000	1.68680600	-0.17866525	-0.93050165	-0.17449529
H	11.29400900	5.16289500	1.32751600	0.04783889	0.33610312	0.29422603
H	10.19665800	4.41289200	2.17208100	0.21781271	0.68503969	-0.02795730
O	13.13598000	16.34549000	13.04888100	-0.65976942	-0.55512593	-0.36216951
H	13.66115900	16.92760700	13.58427300	0.50700818	0.59403682	0.45342559
H	13.10824000	16.73828300	12.15899300	0.02855480	0.07766264	-0.08314931
O	4.72870500	3.67944600	18.54390500	0.46754616	-1.16112975	0.43756617
H	5.52115700	3.77220600	17.96603600	-0.05470736	0.18177126	-0.45130810
H	3.94082500	4.14425200	18.26940300	-0.27271762	0.74882496	-0.40996449
O	18.77938800	12.66723400	13.81837000	-0.47823525	-0.08735357	1.29285104
H	19.37081300	12.63951200	13.08603600	0.47104127	0.01225903	-0.87397766
H	17.90088500	12.90886900	13.49649700	-0.04935063	-0.12940595	-0.26568117
O	9.24436400	3.44349900	7.52981300	-1.52327301	0.28680891	-0.15168113
H	10.16547800	3.41571600	7.80477300	0.94198052	-0.00454268	0.29828821
H	8.84721900	4.11915300	8.14600800	0.44003621	-0.47683724	-0.22085758
O	16.95824800	4.07434700	16.09637600	-0.66603509	-0.24720118	1.09883589
H	17.35124800	4.58657100	16.85012400	-0.60383091	-0.46036505	-0.84949244
H	16.17014300	3.60072900	16.50165400	1.30264282	0.63319696	-0.28866055
O	4.90402500	13.71433400	8.96641300	0.23260309	-1.52667670	0.66712908
H	5.54139000	13.19666000	8.39821500	-0.61222987	0.53500493	0.30284500
H	4.51010100	12.98144700	9.51967700	0.23287221	0.98885710	-0.61837212
O	8.30088900	1.18741500	16.97057200	-0.54434062	0.29363005	0.09357051
H	8.82490400	1.37942400	16.17562900	0.08041905	0.06363213	-0.35145795
H	8.94785500	0.79743300	17.59275400	-0.20500010	-0.30100679	-0.11879673
O	9.78283300	19.16965300	0.98862800	-0.06351814	0.42643013	1.27522929
H	9.99474400	18.43069300	0.41140100	0.50841275	0.06941400	-0.66092541
H	9.41867800	19.96368400	0.54146000	0.06885643	-0.08403876	0.00592902
O	17.81672500	2.22919200	9.56632100	0.52136630	0.51672256	-1.56903657
H	17.32138400	1.76904000	10.23601200	-0.76967255	-0.27345720	0.78729756
H	18.90092300	2.25065700	8.19125600	-0.26911572	-1.03865863	0.09084223
O	8.88167700	18.15897000	3.25532600	-0.94473754	-0.57058562	2.38520969

H	8.13356800	18.62326200	3.70074000	0.53749404	-0.22438282	-0.86225814
H	9.19507900	18.58272700	2.46229500	-0.02499562	1.36397890	-1.56170701
O	11.75207200	12.31081700	14.51006700	0.35643795	-1.22455265	1.55985837
H	11.64843000	11.36960800	14.90836300	-0.08613539	1.15466076	-0.79614130
H	12.37022700	12.68837300	15.17148600	-0.40225940	0.11879265	-0.42320620
O	1.64979400	7.31566100	5.14279000	-0.40818685	0.25733777	-0.12312065
H	0.66382400	7.32361500	4.98093900	0.71978937	0.04064120	0.52230764
H	1.80879000	7.06008600	6.06928900	-0.19253988	-0.17500221	-0.11713372
O	17.95694200	19.39763300	14.56051400	0.89663794	-0.71265602	-0.11794327
H	17.61010000	0.25831500	14.82821800	-0.67912849	-0.13803704	0.08927595
H	17.26854300	18.68823200	14.61286600	-0.41131516	0.69549589	0.00075311
O	11.11301100	7.36368600	18.92954600	-0.15306530	-0.31940438	-0.32184980
H	11.50121000	7.70583500	19.73782200	-0.06412566	0.08273839	0.32479985
H	11.89014100	7.38956500	18.32033300	-0.24470505	0.36350732	0.22267576
O	8.12544400	2.40473600	3.17079600	1.29151209	-0.33652549	1.41434646
H	8.83988100	2.13781200	3.86226200	-1.11537015	0.80698202	-1.18938066
H	7.57026700	3.13239900	3.53525400	0.21810449	-0.10422512	-0.32602892
O	11.44032000	9.65728800	15.46168700	0.31171148	0.23439018	-0.78257027
H	12.16460400	9.10460300	15.05266700	-0.69556481	-0.17189867	0.82827237
H	11.38037500	9.50973900	16.42186200	0.18562066	-0.06608901	-0.11153440
O	15.92923100	17.50863600	14.54702300	-0.42539662	-1.57752233	0.29114242
H	15.17877400	17.38573600	15.19519000	0.81680558	0.22981006	-0.57984259
H	16.29260300	16.54819900	14.40907300	-0.51684173	1.56751107	0.15985850
O	8.20160900	19.51860600	12.81991500	-0.16744614	-1.22398493	-0.69982397
H	8.45932300	0.21648600	13.40460600	-0.04426453	1.02727888	0.67673900
H	7.25679100	19.59378200	12.60572400	0.20136457	0.38153142	-0.00338871
O	9.43988400	4.67387300	17.60465000	-0.94989075	0.14195951	1.57252396
H	9.84472800	4.72848400	16.74977900	0.20941641	0.41559268	-1.27152128
H	9.08889000	5.56858600	17.84485400	0.58255603	-0.33556747	-0.22400814
O	19.23458900	3.86628900	10.60221400	0.38911010	0.12258671	-0.08535994
H	0.12832800	3.45697400	10.56135900	-0.33369337	0.59680602	0.12192667
H	18.56421700	3.14259600	10.06709800	-0.03010239	-0.13991078	0.55859007
O	9.58382700	2.11662500	14.60730600	1.07556031	-1.83883381	-0.73794967
H	10.43720200	1.88559000	14.10509500	-1.42106393	0.73259700	0.84548012
H	9.52427500	3.07284400	14.67823900	0.31688658	0.64177947	-0.17505471
O	7.13214100	13.70651000	2.63481500	1.83570536	0.19178271	1.07409927
H	7.76275100	14.49135200	2.72471900	-0.39661884	-0.84798354	-0.12615643
H	6.37454200	14.09288600	2.23734100	-1.87118000	0.80958543	-0.77489831
O	15.66987400	15.78209600	10.90982800	0.06470327	0.44003322	-0.02724987
H	15.83305500	15.83276400	9.95239500	0.05007591	0.05393900	0.03693488
H	16.10608100	16.60676000	11.26945400	-0.38680810	-0.67964658	-0.47561193
O	12.67262700	6.44476300	11.44870800	-0.10739374	-0.56659255	0.44482805
H	13.38570900	6.49787400	10.79814300	0.64545020	-0.30191739	-0.16929215
H	12.00352800	7.07052600	11.14980900	-0.70621608	0.39157070	0.04879646
O	11.86934500	0.92657400	13.40462400	-0.19397391	-1.23782885	-0.74132105
H	11.40002800	0.13918500	12.95487500	0.90145844	1.33198246	0.22118202
H	12.73913600	0.99318300	12.94672000	-0.64354496	-0.01496227	0.09195215
O	16.22736200	8.20627300	8.37273800	-0.08311776	-0.12626102	0.31584436

H	16.28756700	8.19658800	7.38157200	0.31929833	0.62448081	1.09003213
H	16.51504100	9.04867400	8.80197200	-0.03904758	-0.59581890	-1.25282544
O	14.89181200	9.08996200	12.70371900	1.14998347	0.21340683	-0.05266789
H	15.70573500	8.54142600	12.61926500	-0.47272454	-0.09091006	0.02494418
H	15.28018600	9.92135000	13.07867800	-0.35471221	-0.04752240	0.09749542
O	3.84062400	16.94342600	1.38969600	-1.04412898	1.80228955	-0.26168300
H	3.35566900	17.01714100	0.48979900	0.37255829	0.25098809	1.59362207
H	3.54828100	17.71461500	1.98373400	0.41443453	-1.53485240	-1.39933734
O	13.55509400	2.98053800	2.44815300	-0.14298551	-0.76202899	0.35319019
H	12.61484400	2.96742800	2.74106700	0.61074478	0.22560832	-0.62605963
H	13.70706400	2.19927200	1.82020600	-0.29945225	0.70054730	0.73134267
O	13.38637900	13.12144200	17.11030000	-0.58056945	1.39748122	-0.89388759
H	12.63843700	13.81716600	16.86626800	0.34941439	-0.86729050	0.36896926
H	14.13520000	13.74892000	17.12392000	0.49535224	-0.27563411	0.29104117
O	13.12528300	7.76124700	14.40974200	-0.29234491	-1.18121486	-0.17283400
H	13.44108300	8.14562400	13.58281600	0.67837963	0.47106513	-0.30089387
H	12.97244000	6.83283900	14.11409400	-0.07961799	0.81311393	0.53368255
O	13.95751500	19.12267900	12.00067000	0.01041342	0.70411063	-1.54242461
H	14.41401300	19.29118200	11.12723000	-0.74521409	-0.41246238	1.23984764
H	14.65138400	18.78987100	12.56285900	0.76828579	-0.23367809	0.39277063
O	19.38623600	6.49662000	11.05360000	-0.88002877	-1.16435734	-1.02471309
H	19.95601700	6.28328400	11.79376700	0.50641001	-0.17979266	0.72230730
H	19.10733200	5.53288600	10.73083000	0.83487655	1.14360004	0.69959924
O	2.41423900	7.81391100	18.37313700	-1.68004707	-2.25851016	-1.59569954
H	2.91189800	8.09249000	19.11793500	1.40854071	0.68911253	1.88326267
H	2.42172100	6.79050800	18.44506500	0.20451523	1.22612264	0.01585767
O	19.07953500	7.73095600	4.31295900	0.44347899	-0.80818115	-1.34349480
H	19.24403400	7.10695300	3.52045800	-0.21338767	0.65342786	1.08136974
H	19.48331600	8.56670800	3.98920600	0.01852501	0.20917443	0.03270026
O	19.81049000	18.17861600	16.41741000	-0.88511802	-1.28265640	-0.84688769
H	19.25868400	18.49013100	15.67276900	-0.11207273	0.49884377	0.29387729
H	0.19262400	18.93376900	16.85164500	0.64007976	0.94250561	0.55546523
O	14.78860800	8.50777100	0.26606000	0.67921331	-0.93883886	-0.61575341
H	15.61704000	8.13183700	19.88221500	-0.53728906	0.18619894	0.10870033
H	14.99540400	9.43032400	0.40540100	0.01697328	0.94632960	0.36219556
O	17.32304200	3.14136600	5.45458100	0.12811274	0.19606120	-0.12836043
H	15.72484100	2.31327800	4.99028700	0.04572602	-0.09384612	-0.03265215
H	16.98890300	4.05927600	5.69615500	0.44928118	-0.69154586	0.27132323
O	13.57261600	4.68524800	15.44941900	-0.86287229	-0.26741425	0.74796794
H	13.47952800	3.78876100	15.84788500	-0.06340593	0.04644732	-0.11529266
H	14.29006600	4.57712800	14.83599100	0.69493834	0.00300476	-0.92111894
O	16.19519000	0.31956400	7.81828300	0.02075888	-1.00585185	-0.89645107
H	16.61104600	0.96087300	8.38976300	0.22096391	0.91703562	0.71695015
H	15.42489200	19.93502000	8.26804700	-0.16672093	0.21298496	0.19134322
O	14.11000300	10.72374700	10.59346700	-0.88527411	0.44207136	0.52914455
H	14.54573700	10.07435600	11.16123500	0.38760236	-0.50784505	0.11245783
H	13.43015400	11.07578200	11.22064300	0.21389351	0.21032388	-0.72571422
O	7.09712000	2.36763500	10.62985300	-2.43014649	-1.60675080	-0.16317864

H	8.02871000	2.39394500	10.75254800	1.84956341	-0.05572149	0.39224489
H	6.80903800	1.40245000	10.75102400	0.71845368	1.75150333	-0.08341026
O	10.04551300	4.78041700	14.73995700	-2.32696698	0.89289251	-0.47599506
H	10.98557600	4.82119300	14.69223600	1.31563380	0.44073352	-0.45093333
H	9.59652800	5.49214100	14.15128300	1.07831462	-0.88140689	0.79343164
O	2.46951700	5.10635700	18.89480800	0.72708369	0.63250445	0.19299373
H	2.57966200	5.20217900	19.85617400	0.08429844	-0.24646831	-0.07252551
H	1.59108900	4.77716100	18.71817800	-1.07180817	-0.32159331	-0.25370006
O	2.43832300	5.99917200	7.46564800	-1.40552613	0.12170497	-0.10754879
H	2.86420500	5.87081400	8.32602600	1.05695579	0.03094094	0.74896062
H	1.52462300	5.76099400	7.70732300	0.20118700	-0.03129269	-0.56877445
O	4.76151500	19.72580700	1.27472800	-1.58967296	0.42546982	-0.95233804
H	4.01992800	19.97093600	0.65546600	1.21130313	-0.16922885	0.94294871
H	5.50715700	19.48706200	0.69826600	0.40915815	-0.40137896	-0.24183414
O	18.03535700	11.03368200	6.01826600	-0.60614941	-0.00627815	0.04287714
H	17.56005100	11.17659300	6.89536800	0.37711268	-0.26041101	-1.12698325
H	17.35525700	10.82243600	5.31602900	0.40858333	0.26436041	1.03962250
O	4.14058700	14.63151100	13.80537200	0.73269167	0.08961435	0.39352700
H	4.65385500	15.21976100	13.20125100	-0.35744569	-0.19503667	0.22703947
H	4.59986200	14.64529100	14.68395000	-0.42681379	-0.07698812	-0.77315644
O	5.56303500	9.82956500	4.32982300	-0.96123405	0.12567430	-2.09415467
H	5.57383900	9.76530600	5.27804000	-0.07433495	-0.38414495	1.11713793
H	4.64910500	9.53989600	4.06623900	0.84794374	0.14480789	0.37822756
O	0.52648100	9.99276000	3.32613800	1.14238624	-0.39026239	-0.68464338
H	0.50215800	10.49569300	4.14050000	0.05685183	0.31770955	0.35096786
H	1.53694800	9.73474000	3.25060300	-1.80564260	-0.03350280	0.17259633
O	3.36030700	19.14648200	9.24713900	-0.47767770	2.35701992	-0.56319618
H	2.76561800	19.97356000	9.21634600	1.24505244	-1.23912438	-0.25442362
H	2.86937100	18.55485500	9.80008300	-0.61103154	-1.18807961	0.86473006
O	11.89619500	12.24102500	11.87950300	-0.52365193	-0.70430060	-0.22814763
H	12.09037900	12.55207600	12.79048300	-0.11382762	-0.37531939	-0.26300993
H	11.18916100	11.53629300	11.99557200	0.90081240	0.78802746	-0.06656249
O	0.67393100	8.53249200	9.70117700	0.94189804	-1.10217154	0.55314717
H	0.21566700	8.67372900	8.85515900	-0.59292774	-0.44974763	-1.00555843
H	0.28998000	7.71570800	10.15166800	-0.16400304	0.40687607	-0.71600562
O	4.11198500	8.56914000	0.37432300	-0.78105220	-0.39954155	0.22215720
H	4.84500300	7.95814800	0.51687800	0.27887113	0.06431396	-0.22157686
H	4.46428600	9.38688300	19.99462300	0.68210273	0.39027795	0.05432415
O	2.16717200	3.08850600	10.76196500	0.00430945	0.53207095	-1.25558211
H	2.01307600	2.64627900	11.58431100	-0.23670425	-0.52639281	1.26207080
H	2.07023600	2.40325000	10.07694300	0.22846566	-0.06162276	-0.03229938
O	13.20821400	6.67148000	1.73717300	0.53001466	-0.75939175	1.07455034
H	13.82927100	6.15114400	2.36827000	-1.02242107	0.96586819	-1.22114784
H	13.77594900	7.27570400	1.23576400	0.27737788	-0.01750622	0.09423843
O	7.81336500	16.57998700	11.15924500	1.19421174	-0.16888626	1.20772960
H	8.48115200	16.50777400	10.43376700	-0.24726762	0.30795646	-0.03912982
H	8.40017900	16.62052000	11.98460100	-0.62792287	0.05215065	-1.12164445
O	18.62504600	13.99165200	19.50479300	-0.53868809	0.88034891	0.99694615

H	19.49113700	14.29636300	19.23336200	0.36906881	-0.15727604	-0.59634911
H	18.44860300	14.73394800	0.14817800	-0.25513088	-1.32913208	-0.49232345
O	18.47981100	1.42279900	1.29468200	0.31095564	-0.40574341	-0.66184533
H	18.62444100	2.08530000	1.97334900	0.49196324	0.88358729	0.57838916
H	17.76423100	0.89688200	1.67698500	-0.62645645	-0.54250485	-0.04297765
O	4.86076400	5.24093400	0.62151100	0.37366734	0.21004652	0.38636417
H	5.71365200	5.74153600	0.78213000	-0.23083535	-0.41630149	-0.48559994
H	5.03110100	4.56415700	19.89910700	-0.23774573	0.54540972	0.44965725
O	2.29579600	15.10087800	3.44419300	2.34873408	-1.68039092	-1.39697922
H	3.17635800	14.69287100	3.07169900	-2.31147287	0.84315412	1.18433090
H	2.39250200	16.00763700	3.16338000	-0.20384962	1.24058023	-0.24827954
O	14.78973700	14.15247200	12.88194300	0.28704265	0.16096477	-1.37414201
H	14.17854600	14.88789000	13.09368500	-0.40068958	0.01153747	-0.21580884
H	15.08321100	14.43211800	11.93659400	-0.25273604	-0.24573840	1.74867381
O	18.56203300	16.05252600	12.21946000	-0.18769931	0.19295710	0.97491675
H	19.45875400	16.06341400	12.62664200	0.46299830	0.21537608	-0.76305791
H	18.08543400	15.83261700	13.05533900	-0.54558544	-0.30972696	-0.88662432
O	10.34306900	7.82005500	10.98520700	1.16867623	-2.50188695	-1.95645953
H	10.19932400	8.67785600	11.30959800	-0.65388292	2.17565316	0.75435209
H	9.73818300	7.17761100	11.38089500	-0.41198074	0.20206088	0.71297167
O	2.05693700	3.65372700	3.61508600	-0.69197504	1.08683464	-0.13448219
H	1.23527400	3.53481500	3.13415200	-0.41041442	-0.11114865	-0.32466701
H	2.41857700	2.77426500	3.74879600	0.86436066	-0.62931970	0.34418873
O	8.58960600	12.77771500	11.41038400	-1.14009976	0.01348954	-0.90668769
H	7.69240700	12.56327500	11.75722700	0.30033007	0.03120913	-0.01453080
H	8.36638600	13.24888100	10.58267400	0.21339747	-0.04352407	-0.03761520
O	16.75720800	19.55574400	18.19363800	0.40476786	-0.13133603	0.33850234
H	17.25464600	19.03446000	18.87195200	-0.29659828	0.21769037	-0.43435583
H	17.40922500	19.79756900	17.51197800	-0.00468075	-0.27662958	0.15702326
O	17.70606000	17.58886100	0.32975100	0.00570615	1.20705846	0.30601150
H	17.12935600	16.83964700	0.39162200	-0.76034918	-0.69517665	-0.05519804
H	18.53659400	17.21756600	19.95620200	0.07965730	0.07518673	-0.25996209
O	0.14788700	3.92857200	15.10565500	-0.11840889	1.43762942	-0.68447075
H	19.35101300	3.54326900	14.68448100	-0.15222964	-0.07333236	-0.26435616
H	0.24111100	4.82610200	14.60884300	0.07500603	-1.24073352	0.60851587
O	5.31193600	17.62603600	15.12402200	0.88014096	-0.93352810	0.01886499
H	6.07717400	16.99341800	14.93703700	-0.82681595	1.18958542	0.54074291
H	5.57763700	18.02867900	15.99502600	0.05847732	0.04950405	-0.41284444
O	5.90399400	18.54676600	5.51898600	-0.36900242	0.82615410	-0.56654917
H	5.58435800	19.20281000	4.84020500	0.70164436	-0.48981170	0.80281472
H	6.31845600	19.06176400	6.26333400	0.02887354	-0.10903069	-0.41367771
O	12.36108500	0.96857200	18.71375700	0.20196728	-0.07615475	0.38085072
H	12.71188400	0.78300300	19.64131200	-0.49117236	0.73037939	-1.12738756
H	11.89994500	1.86565400	18.70606600	0.50702491	-1.04081061	1.02674119
O	15.78692700	1.28738200	14.89633400	0.82618245	0.03034984	0.13634359
H	15.13248300	1.54950200	15.55366500	-0.42340808	0.03925846	0.70646495
H	15.24832800	1.31171500	14.11218900	-0.15687339	-0.01436927	-0.93685259
O	13.32790200	8.22702600	17.80446800	0.89038107	0.20705669	-0.02137154

H	13.82383100	8.36974000	18.65945100	-0.54452746	0.00871291	-0.70818740
H	13.88289900	7.52035100	17.37523100	-0.36569500	0.51421116	0.50501653
O	7.07001400	18.87649500	19.95754600	0.17224285	2.12232328	-0.27535460
H	7.78223200	19.58871500	19.92244000	-1.47204074	-1.16894288	0.16021856
H	7.52392800	18.02784900	0.09439300	0.50590016	-0.53112805	0.03930962
O	18.07539600	3.61097900	19.56369600	-0.49684014	0.73897417	-0.22211040
H	18.86466400	3.87710800	19.07040200	0.16682017	0.02711217	-0.19360517
H	18.29149100	2.86125500	0.13099000	0.29009213	-0.75606375	0.36676781
O	15.79188900	11.59927700	13.78938400	0.08824016	0.82206589	-1.79481434
H	15.56271800	11.38764900	14.68524200	-0.46907799	-0.38503033	0.75483034
H	15.07262200	12.20244900	13.47414800	0.73052838	-0.34570408	0.29355818
O	16.03410100	2.35538000	18.33940900	1.77725758	0.65929576	0.00294680
H	16.91253300	2.79935300	18.63272500	-1.44238485	-0.09182862	-0.12547201
H	16.38065000	1.44459500	18.31253800	-0.65139173	-0.55700003	0.06931121
O	7.90862500	16.54351000	15.38588300	-1.24240890	0.36953155	1.16484728
H	8.53418800	16.74014100	14.71031300	1.28370070	0.21313361	-1.18550519
H	7.75762900	15.60198800	15.35299500	0.12204632	-0.75763669	-0.08864450
O	9.56148800	14.00913000	13.38800100	0.25627565	0.13300580	0.90057528
H	10.32398800	13.51803200	13.77580700	-0.41140315	-0.02432010	-0.27076138
H	9.29504200	13.60388900	12.51932500	0.35282119	-0.13363914	0.41952198
O	18.70222100	1.66007000	16.92226400	-1.21833906	-1.42044515	0.83771507
H	19.45110100	2.13770400	16.64549300	1.59924986	0.90810266	-0.57885300
H	17.96109800	2.19746300	16.64703600	-0.44387822	0.51011985	-0.33462634
O	6.60535500	2.05478700	7.85693600	-0.99113821	0.17610557	2.00807999
H	7.37109600	2.46456400	7.48907200	1.43100514	0.75726479	-0.86859513
H	6.65699100	2.41083400	8.80175900	-0.14377679	-0.64120391	-1.03068650
O	7.21747200	19.50539000	7.74165100	0.12832940	0.57993730	0.10300530
H	7.12098900	0.47958900	7.94733300	-0.19974365	-0.38422761	-0.60120483
H	6.76404800	19.13337700	8.52949100	0.41157970	-0.43332903	0.17481072
O	1.45961600	2.08634300	13.52973200	-0.12340017	0.14598743	-0.79068842
H	2.19893400	1.57213900	13.85501400	0.41485029	-0.12384721	0.57510755
H	1.16134300	2.72321400	14.20825400	0.12941259	0.05921526	0.17036111
O	11.42884400	0.75199800	9.23858500	0.61278776	0.88682572	0.37325495
H	11.54568100	1.71201200	9.00788600	-0.08495023	-0.54101962	0.09531218
H	11.04367400	0.35630700	8.44566000	-0.53484140	-0.31939118	-0.34191733
O	3.65394200	8.26637300	9.24711000	-1.72969262	-0.32455310	2.44091567
H	3.91675500	8.64478700	8.43071600	0.71481854	1.09144312	-1.84706550
H	2.64517500	8.34095500	9.30672000	1.31001843	-0.24195611	-0.30369497
O	19.91986800	12.37611600	9.23219900	0.76913066	1.63241532	-0.12012553
H	19.83840000	13.40589000	9.30592300	-0.41352223	-1.90893880	-0.13811854
H	0.34826000	12.21557200	8.33451200	-0.51964443	0.14853386	0.57750471
O	11.56613200	14.84345600	16.45379400	0.18605215	0.88516341	-0.58676149
H	10.97079200	15.38419300	17.00630000	-0.48605839	-0.26827760	0.57859730
H	12.04167200	15.62193500	16.06701100	0.39564256	-0.42996366	-0.15562652
O	6.90397300	3.63650200	17.05347400	0.30635835	1.21526243	0.18402521
H	7.17987600	2.71748200	16.93135600	0.33685343	-0.64260304	0.12301227
H	7.71875700	4.07746600	17.43289800	-0.42663835	-0.56655495	-0.51291031
O	2.24461900	17.20624700	19.25428800	0.71082190	-2.02734157	-1.36162172

H	2.53532700	16.81011600	18.37439300	-0.15216955	0.20188542	1.18612533
H	2.23026600	18.11733800	18.98042900	-0.48188227	1.50299404	-0.28118597
O	5.46715400	14.53770100	5.27857000	-0.69277489	-0.54979381	-0.11879234
H	4.51701700	14.29747100	5.09892500	1.32472394	0.15857814	-0.01430599
H	5.95980100	14.14212100	4.52707600	-0.29553900	0.25575438	0.26604965
O	5.92068700	4.23989200	3.21113900	-0.83592791	0.35111083	-0.57499199
H	5.52705400	4.35276500	2.29187300	0.36804834	-0.12185747	1.41982179
H	5.23316600	4.53772500	3.85577300	0.57152400	-0.17230872	-0.55786226
O	1.03984800	12.48254400	17.52810300	0.95335562	-1.22382475	1.50598113
H	0.84158100	12.04924300	18.40695600	-0.06296398	0.81736364	-1.18247835
H	2.02583900	12.32031500	17.50707200	-0.90522857	0.27493363	-0.28631772
O	11.23115900	15.09325200	6.12456600	-0.75643265	0.61738694	-0.75279414
H	10.78601900	15.88058100	5.66383800	0.78205828	-0.73881594	0.90599735
H	11.21161500	15.28931200	7.07669800	-0.03431740	0.07209001	-0.31132519
O	14.77575700	6.00281100	9.86044700	-0.37385757	0.17093011	0.06869288
H	15.26432900	6.80632500	9.66835200	0.25724346	0.87652595	-0.19781843
H	15.33774900	5.38103700	9.35607300	0.22255826	-0.68687589	-0.09804561
O	3.67463300	17.93020400	6.77731200	-0.32657205	-1.12760478	-0.46077311
H	4.54114800	18.10134100	6.34007500	0.61103276	-0.20586052	-0.26535326
H	3.66508800	18.47017900	7.56337200	-0.10110976	0.61173358	1.42089808
O	13.87542100	0.65428800	1.14991600	1.45480574	-0.18532540	-0.47702358
H	13.30401200	0.22895900	1.81008000	-0.45443909	-0.22638157	0.37894052
H	14.79682400	0.28838200	1.26651300	-0.92773047	0.35781539	-0.10959652
O	18.91070400	14.97417100	9.55395100	0.34051319	0.13020887	0.53786560
H	19.59596300	15.68102800	9.57083900	-0.49770332	-0.22026562	-0.39873380
H	18.51324300	15.03384100	10.44982300	0.08003879	0.06590122	-0.21882581
O	13.14363500	17.42085600	4.56505300	-0.80088220	-0.05516733	-0.62782244
H	13.50635600	17.10090600	5.41037400	0.13258809	-0.45073928	0.72457056
H	13.73444400	18.16448800	4.37108600	0.29388809	0.54730125	-0.22905344
O	8.74812600	6.62615800	12.85301200	0.08335163	0.43041164	0.37017400
H	7.88372800	6.22375500	12.56857400	0.36748981	0.04273647	0.33129059
H	8.63177600	7.51458200	13.28695000	-0.21563653	-0.78160693	-0.33654820
O	0.08964100	19.87879400	12.82479400	-0.94453405	-0.56540363	0.93581726
H	0.46036300	0.74028400	13.12111200	-0.33475788	0.05908170	-0.07570010
H	19.28497900	19.70393000	13.42322700	1.02230084	0.27567241	-0.84525769
O	2.30770400	10.01072100	5.48093300	-0.15334839	0.41957671	1.46994970
H	2.07399100	9.03925900	5.45280000	-0.30956583	0.60023207	0.06110322
H	1.74320200	10.51995100	6.17880700	0.77347503	-1.03104864	-1.31073148
O	14.10764700	4.14205900	19.31234600	0.22632634	1.17403010	0.76501711
H	14.79451600	3.58378600	18.93392900	0.40607981	-0.62065413	0.14548196
H	14.54563600	4.57076200	0.09307100	-0.67293388	-0.53991112	-0.73516784
O	3.24926700	12.50620800	1.26515000	-1.58961306	0.05680145	0.46472229
H	3.36563200	12.37324300	2.25061900	-0.17467482	0.09547804	-0.80547680
H	2.25241300	12.65811300	1.16437400	1.37423814	-0.27358023	0.46584890
O	17.15799000	11.72091100	19.69142900	-0.11699706	-1.05335758	-0.15923114
H	17.70359800	12.40241600	19.31125800	0.76844431	1.28819903	-0.00536344
H	16.97738100	11.14232400	18.90753400	-0.40357998	0.05570705	0.20853470
O	18.71718000	7.78490200	0.43589000	-0.01116195	0.99150878	-0.80103538

H	18.44271100	8.70726600	0.67982800	-0.00012702	-0.61254198	0.59005487
H	19.06164900	7.95163100	19.50468800	-0.10459256	-0.59273581	0.61815180
O	19.70590800	7.72313900	17.98049400	-0.17208535	0.83776334	-1.20488312
H	0.63616800	7.85087900	18.24875500	0.44843855	0.19343939	-0.09489327
H	19.56162100	8.43189300	17.27456500	0.08381394	-0.79162927	1.10635016
O	3.05755300	15.30247200	7.70030000	0.44702021	1.69980360	-0.28225804
H	3.80275800	14.95213200	8.25110400	-0.25509405	-0.19213383	-0.38196422
H	3.33768000	16.23506900	7.36218500	-0.10484170	-1.31524202	0.43336328
O	6.86956500	4.84816600	12.35503800	-1.21844883	-1.77451320	-0.13612684
H	6.93999500	4.00809900	11.78169400	-0.24996505	1.56288315	1.22750178
H	6.26344600	4.60046400	13.15059700	1.31630152	0.15102164	-1.09965354
O	16.39905200	16.53293200	7.97121400	1.50858011	-0.66560645	0.07740613
H	17.16604200	17.05165300	8.34502800	-0.75171078	-0.01158663	-0.13773080
H	16.90981500	15.85526300	7.43475700	-1.05810262	0.71200250	0.27733968
O	12.07975800	3.81871200	11.05035000	-0.00823836	1.05897491	0.24629582
H	12.25400100	4.82600200	11.24633200	0.34725838	-1.32960855	-0.10754065
H	12.77232200	3.23840800	11.45437700	-0.03858743	0.69104175	0.12206266
O	6.02241400	5.03281600	8.51460000	-0.50473489	-0.41106802	0.05868272
H	6.69129000	4.70318900	9.12874100	0.27120991	0.63807629	-0.32815237
H	6.39022900	5.79972100	7.96831100	-0.03724727	-0.21725603	0.68728553
O	0.58961600	4.34544600	5.96121100	0.15447124	1.05984399	-0.26367352
H	17.93460700	2.79038300	6.14557500	-0.47524385	0.29595741	-0.16444145
H	1.04672000	4.33207800	5.09337500	0.09361872	-0.14590612	0.37984977
O	14.18707300	2.67031300	12.46022000	0.61416126	0.85130513	0.04621365
H	14.85706700	2.14722300	11.98342600	0.05583264	0.01984315	-0.01875874
H	14.65969800	3.54091800	12.64564700	-0.42205590	-1.13475830	-0.13433692
O	4.76262100	14.73354500	1.17726500	2.21644891	1.98216685	0.53469302
H	4.01836200	14.18378600	1.25602100	-1.76977816	-1.76348795	-0.21805324
H	4.45264200	15.70692100	1.37253100	0.16833081	-0.82326965	0.14309300
O	8.57409900	5.63073200	5.94836000	1.03395845	1.00791968	-0.43303915
H	9.34677300	6.22515200	6.13665200	-0.39446503	0.09895300	-0.51927242
H	8.96945700	4.82558400	6.29193700	-0.18483348	-1.23160361	0.35399725
O	7.19477900	9.05921100	2.03606300	-1.53109237	-0.53027320	-0.04646295
H	7.92686900	9.46462700	2.50331100	1.62647714	0.05120854	0.39299361
H	6.49977600	9.18567700	2.70848300	-0.32178875	0.06293615	-0.02760871
O	15.90432500	14.43414400	17.90964300	-0.24658474	-0.34626524	0.49894837
H	15.76416800	13.96952100	18.76986300	0.60141675	0.50512592	-0.99693590
H	16.85527200	14.37551400	17.67005200	-0.51929466	-0.34146316	0.39173131
O	7.31725200	13.50266400	15.17292100	0.76022146	-0.28072661	-2.16516286
H	6.82096500	13.07622000	14.36087300	-0.12963887	0.44507815	1.04686165
H	8.14190200	13.71413400	14.62734900	-0.16961204	0.08468296	0.75829861
O	8.16652400	11.07865900	16.01232100	-0.92444825	0.52011179	-0.76124872
H	7.89242600	12.03696400	15.75984700	0.62605481	-1.38563207	0.64796973
H	8.91416100	11.09332900	16.62171600	0.57926321	0.47732476	0.33253442
O	13.66828800	19.03315700	8.81732800	0.48913705	-1.00004563	-0.63788998
H	13.53969000	18.47240800	7.99513400	0.08529118	0.38982891	0.92564204
H	12.97009600	19.69854200	8.84609200	-0.52118650	0.52628418	-0.01697425
O	5.48594600	19.71097900	13.10908300	0.13739483	0.14839428	0.03865138

H	5.85285100	19.04068200	13.69969300	0.02684406	-0.44317078	0.53560304
H	4.57397400	19.40215900	13.07971200	-0.68365247	0.04570052	-0.14127547
O	15.00651600	12.36221100	8.73455000	0.95600358	0.31654370	-0.98790008
H	14.78907500	13.30870400	8.81024100	-0.34693558	-0.43662296	0.39869024
H	14.68276500	11.81073400	9.47207900	-0.58477824	0.09594637	0.63118553
O	2.19792700	1.45122300	8.25251900	1.73927543	0.02708826	0.31240300
H	1.41131600	1.93495800	8.08444500	-1.79690787	0.59182565	-0.40869697
H	2.89626000	2.07414500	7.91192800	-0.01233475	-0.36381490	0.05195099
O	16.13940400	10.26265200	3.80112100	-1.45084371	1.07648802	-0.30530412
H	15.38915800	10.83561300	3.40554100	1.94043840	-1.35302490	0.65225883
H	16.85030000	10.19894900	3.13462200	-0.29309204	0.18643297	-0.31892365
O	11.79096200	3.47337100	8.41889300	-0.26607664	-0.53540375	-0.87753428
H	12.01891900	3.65890800	9.34853200	0.38157519	0.16706389	0.32287992
H	12.60977300	3.34963400	7.88062900	0.00750652	0.43788915	0.77183414
O	17.66280400	15.34533800	2.30862100	-1.77030302	0.58244018	-0.44798449
H	16.70195000	15.68315600	2.16908500	1.67099016	-0.61374023	0.53514895
H	18.13385200	16.16955200	2.54022300	0.15242659	0.00907785	0.06639897
O	9.69057100	8.14021200	8.13286600	1.49158991	-0.36256492	1.84116777
H	10.00684500	8.08165700	9.09242900	-0.76693853	0.06911134	-0.94996827
H	10.57179500	8.22482900	7.71164200	-0.67425738	0.10766595	-0.45356401
O	10.38100100	12.45124300	2.99018700	-2.12277750	1.46950242	2.69513488
H	9.71387400	12.91904700	3.68952600	1.76116042	-1.38028530	-2.09503482
H	11.20423200	12.42708700	3.53172400	0.04765499	-0.21098201	-0.13577506
O	16.60815400	19.58960300	2.05482500	-0.16412191	1.65886539	-0.36994326
H	16.94136200	18.87762600	1.52127700	0.34015306	-1.24546028	-0.53675796
H	16.13122000	19.26808500	2.82349300	-0.26854960	-0.54559928	0.83721810
O	14.39826800	10.83656700	15.85055300	0.02199992	0.71645808	0.68443578
H	13.82463600	10.13019100	16.20273600	0.00314839	0.49263862	0.19846618
H	14.16385800	11.73016300	16.25548200	-0.56860886	-1.25141323	-0.01576798
O	16.67670100	0.93009800	11.57064000	-0.42376916	-0.91602448	0.07538333
H	17.38729300	1.25442400	12.14250200	0.16227289	0.01872553	0.46177187
H	16.79462600	19.93776900	11.55943400	0.01094506	0.59897706	0.23409824
O	6.05828900	12.18290800	6.83043500	0.58261463	0.42859474	0.37458756
H	7.00707200	12.37952500	6.76977900	0.23310416	-0.56698066	0.09470232
H	5.74825200	12.97129300	6.35764600	-0.66230867	0.56831814	-0.54875423
O	5.06882900	11.08813100	19.38704500	0.71162237	0.97081175	0.47975060
H	4.40508400	11.64386700	19.85994300	0.15202783	-0.22901028	-0.04128214
H	5.92429600	11.53900100	19.64767600	-0.82356539	-0.72966544	-0.19460950
O	19.87612700	4.86677700	17.64093200	-0.09924952	1.41969381	-0.46284081
H	19.84315100	4.58209800	16.69574000	0.26139193	-0.64754197	0.09818419
H	19.88648000	5.85764500	17.49825900	-0.25253412	-0.80146413	0.71475791
O	2.54863100	9.52311500	11.55865000	1.03142979	0.50265602	0.42908210
H	2.61277400	10.37711100	11.09216500	-0.15639468	1.07914186	0.37276176
H	1.72067600	9.19953000	11.19160600	-0.69613556	-0.66403938	-0.32990032
O	1.69203900	13.17275500	13.25108700	-0.31804063	-1.11628887	-0.48340580
H	2.44057800	13.56779500	13.69910000	0.49415081	0.73315237	0.16495615
H	1.09725700	13.91266900	13.03949600	0.18394567	0.54713625	0.18819680
O	13.41745700	9.34570600	5.81137000	-0.77582636	1.09628904	0.98462264

H	13.66663400	8.60535300	6.35643700	0.38573988	-0.96402347	0.45046736
H	12.80573300	9.86605700	6.50508700	0.65484651	-0.67074266	-1.65706074
O	6.30329400	14.94885300	19.17105300	1.99158075	0.38364556	-0.42498017
H	5.63833100	15.03192300	19.88254900	-0.88876131	-0.62031079	0.10628619
H	5.96251400	14.63907100	18.32934400	-0.80467006	-0.03590224	-0.21943573
O	1.93408400	13.95809200	5.72077000	0.45425483	-0.68406125	2.67771171
H	1.90430500	14.52508200	4.95966500	0.03476144	1.02750264	-1.10269040
H	2.39071700	14.44537500	6.50676800	-0.38227284	-0.47769309	-1.15286006
O	5.06490400	1.54118600	15.27499500	-0.11552521	-1.34343398	-0.59795599
H	5.28358700	0.83799300	14.58083800	-0.48008363	0.96760598	0.97080179
H	4.45805900	1.10194100	15.92212500	0.49617616	0.38259145	-0.58590491
O	2.77356000	6.03556100	2.42007100	-0.59761928	1.31444395	-0.72829119
H	2.88839600	5.32810300	3.04078800	0.00203511	-1.13740130	0.84292747
H	3.53337700	5.96648700	1.82976200	0.40957909	-0.29763542	-0.38092732
O	15.98968400	4.64663700	13.46233800	0.74304525	2.20491987	0.80328334
H	16.33999600	5.60795300	13.27882000	-0.58928286	-1.81657118	-0.11918325
H	16.23895600	4.59992600	14.42357600	0.06957890	-0.31620287	-0.55725162
O	13.57604100	13.68488600	2.49607300	1.51917962	-0.04708769	-1.16319224
H	13.40403900	13.24598600	3.34186800	-0.19956351	0.01581263	0.49752750
H	14.31272000	13.12212400	2.07182200	-1.45529337	0.54453174	0.22115243
O	9.04921800	5.55054700	3.04439300	-0.50429849	0.19380696	-1.38819912
H	8.24582000	5.76116300	2.48446200	0.90753953	-0.32032756	1.12409053
H	8.84120800	5.57387800	3.98565400	-0.58247911	0.08480869	0.32235632
O	15.89250600	5.33916300	5.88717700	-0.13158670	1.60113712	-2.22041369
H	15.57539900	5.14097200	4.94090900	-0.06439152	0.01327994	1.11783363
H	16.16295400	6.30735100	5.66860100	0.00838767	-1.13191982	0.98053610
O	7.16983400	6.56563600	0.87867500	-1.09910804	0.24116472	2.02953630
H	7.12821300	7.38345800	1.48941200	0.85813837	-0.77890352	-1.50237203
H	7.78508100	6.63008800	0.13384600	0.27329086	0.89758903	-0.15917726
O	0.92738800	15.80315700	13.14641800	-0.01427226	-0.61592824	0.53630992
H	1.00790600	15.72555600	14.13375900	0.04480873	0.28131424	-0.01023674
H	1.72692000	16.16811900	12.76221900	0.36828008	0.41730090	-0.27456837
O	10.68033800	2.85957300	19.46147200	-0.63979242	-0.49293136	-1.82028079
H	10.41459700	3.47071400	18.73442600	-0.15132471	-0.01934484	0.58128490
H	10.80789500	3.41533900	0.23852300	0.48341019	0.84275164	1.12368471
O	8.90666700	14.15251300	8.53226300	-0.77912273	1.95647277	-1.25197640
H	9.09429100	15.12404200	8.74757100	-0.06779435	-1.03308989	-0.15237063
H	8.57602500	14.29400700	7.57989100	0.68634229	-0.96196140	1.56547179
O	2.75139700	12.20592200	10.82082600	1.21549449	-1.10121986	-1.34969732
H	2.51951600	12.58622400	11.65408900	-0.67870658	0.66920434	1.47251757
H	1.94427300	12.19829700	10.30723100	-0.83895236	0.30764907	-0.48078606
O	8.41062500	7.21759700	18.58640700	0.13954953	0.65331057	-0.57032536
H	9.28556800	7.66834500	18.57394400	0.24433633	-0.48393997	0.35136854
H	7.80553300	7.93241300	18.31036000	-0.22512769	-0.32420185	0.12436555
O	2.41395400	16.87030000	10.80402400	-0.71901305	0.32521755	0.24222179
H	1.85726900	16.48096100	10.09813000	0.69369236	0.24956544	0.25411079
H	3.29876200	16.49304400	10.80927800	0.32315056	-0.37466495	-0.36313951
O	18.59273300	13.68969000	4.34199900	-1.16611690	-1.33245387	0.39330015

H	17.84518600	13.05763300	4.54221100	1.18337178	0.53107762	0.28367327
H	18.20362100	14.14007500	3.58027900	-0.11586753	0.80975802	-0.81942797
O	18.33289300	2.72269300	13.24935900	-2.12916662	0.29346327	0.60625668
H	18.58403800	3.09932300	12.40285700	0.83815500	0.50014517	-0.98806440
H	17.39821400	3.10354400	13.30808200	1.34847526	-0.45577623	0.30455408
O	1.39493000	19.58479100	18.10719300	0.63769823	-0.15443366	-0.66231906
H	1.02851800	19.63123500	19.00353800	-0.12974580	0.33392398	0.50330021
H	2.19698600	0.14407400	18.00696900	-0.43113878	0.17489207	0.35167195
O	2.50515700	10.87914500	14.51467600	0.76745169	0.03943354	0.64333902
H	1.96317900	11.53576600	14.07236800	-0.37304595	0.76604164	-0.41641704
H	2.00514300	10.07655700	14.41563700	-0.31961495	-0.85533231	0.03052070
O	14.95035800	11.69760200	6.07471100	0.25856100	1.69647266	0.70630721
H	14.96818700	11.85412000	7.06722800	-0.22621132	-0.32590376	-0.95047655
H	14.81984700	10.77061200	5.92227500	-0.40095412	-1.13844848	0.10174755
O	6.02802000	0.86232200	3.32283400	-0.05656643	-0.38619227	1.11419417
H	6.89751100	1.29910600	3.18680400	-0.13389234	0.26287191	-0.03465537
H	5.71005700	0.53795000	2.47526400	-0.33578511	-0.09864423	-0.57784629
O	14.80290800	6.09460000	17.42949300	-0.26835025	-0.39410827	-0.53446565
H	14.29276300	5.70161800	16.68682700	0.29895224	-0.06370796	-0.54356459
H	14.47820000	5.51975400	18.14156200	-0.19875882	-0.34015494	0.88797346
O	17.37327800	7.20586600	12.90039700	1.20231316	0.44595155	-0.25607532
H	17.99553700	7.03542500	12.13360200	-0.75750897	-0.17296010	0.22781092
H	18.02070000	7.70554200	13.46041600	-0.78364382	-0.23692061	0.00050972
O	19.50851100	16.37726400	18.92093500	1.18421833	0.68123412	-0.98957779
H	19.41844700	16.74844700	17.99150300	0.35055668	-0.25201699	1.38112964
H	0.45166500	16.55750700	19.19962900	-0.83331894	0.20663535	-0.60854967
O	3.69705400	6.30266000	14.19571300	-0.19361342	0.08257683	-0.30337025
H	4.25197900	5.52311200	14.36316800	0.22971109	-0.41200615	0.49992469
H	3.75467800	6.89290200	14.96916000	0.15591604	0.29437641	0.43807248
O	9.88385000	10.39497900	11.55897100	1.73346215	-0.80017778	-0.28665754
H	9.39803100	11.04776300	11.08108100	-0.85948898	0.99265923	-0.68523816
H	9.33617500	10.16401000	12.29065900	-1.02317106	-0.29840687	1.39426881
O	10.02832000	16.73964700	17.74005300	0.57338500	-0.06329514	1.06531313
H	9.11560500	16.72065900	17.46063600	-0.66452849	-0.00328721	-0.52802703
H	9.95066500	16.60120200	18.72535300	0.15630571	0.03473222	-0.73743982
O	4.68183800	9.77840500	6.91203900	-2.04188718	-2.14497063	-0.48757183
H	3.82469400	9.84236700	6.34802400	0.92808194	0.21711797	0.75080162
H	5.06486100	10.63182400	6.92501900	0.61770714	2.02021128	0.10398437
O	19.40940500	10.28119400	16.40045900	-0.09826293	-0.34672276	0.25742978
H	0.10748400	10.93847700	16.57403400	-0.11697909	0.32360996	0.09247729
H	18.56809000	10.65967300	16.73257800	0.09541031	-0.14255561	-0.26010069
O	6.60792500	6.98125600	6.95612400	-1.04653338	1.50317878	0.44978240
H	7.28605000	6.59106500	6.40400000	0.87803598	-0.65005867	-0.48981848
H	6.89228200	7.92350600	7.10597300	-0.22852052	-0.79308477	-0.03104373
O	2.37363600	19.41268200	5.17980300	-1.51199826	2.02065629	-1.77228717
H	2.75760900	0.31968700	5.03262900	0.02935978	-0.69257956	0.06952961
H	2.92976500	18.92241900	5.77490400	1.03330630	-0.95823784	0.98209552
O	0.68434200	15.70650700	15.83259600	1.25870201	-0.31189136	0.36254877

H	1.60199000	15.91078900	16.24077200	-1.34062001	-0.37577313	-0.83120434
H	0.21189200	16.55077400	15.90331700	0.16338831	0.44535976	0.20876769
O	17.46307000	10.91275900	8.75216400	-0.64859831	-0.11745777	-0.17216253
H	18.25172600	11.37164500	9.07833900	0.23613523	0.38797574	0.10340241
H	16.70390100	11.52374900	8.89094500	0.27243146	0.02072473	-0.00478534
O	11.63570600	10.59463900	7.17340900	-0.77605034	0.09159224	-0.04532980
H	11.59306600	10.99336100	8.04815000	0.06479001	0.34168464	0.18928951
H	10.72323500	10.67149500	6.76099500	0.94086050	-0.39323701	0.12203076
O	0.39438600	13.30324900	1.71851200	0.26123586	0.32199843	0.82421056
H	0.63143900	13.97971100	2.39579100	-0.00047644	-0.50291999	-0.49197376
H	19.70204900	12.78719800	2.16842000	0.30177406	0.20553425	-0.15969885
O	7.86666800	12.82947000	0.24957300	-0.35131456	0.78467434	0.24960064
H	7.44977300	13.55704100	19.74693100	-0.05342493	-0.02874020	-0.29073940
H	7.58288500	13.08369600	1.17660200	0.37139900	-0.25142103	0.00174126
O	5.60544200	4.14414400	14.64564100	-1.19761579	-0.32810157	-1.40119084
H	6.14971400	4.18726300	15.45239200	0.09975722	-0.77610662	0.27687313
H	5.26526400	3.20341000	14.48159300	0.75939441	1.17243856	1.26434309
O	10.36608000	10.86759500	17.97062300	0.27268629	0.08092686	-0.06203453
H	11.11175700	11.35678600	18.38698200	-0.57602870	-0.41993150	-0.07474371
H	9.79115000	10.54640800	18.70172300	0.22341940	0.12182830	0.14484807
O	0.30228100	19.25911700	7.15880400	-0.32674824	0.05706556	-0.36715858
H	0.98186800	19.36255100	6.46970300	0.26763939	0.06748943	-0.45545492
H	0.79914600	19.44195400	7.95941900	0.11041471	0.10289250	0.49124089
O	18.15481900	10.24742200	1.79087300	-0.14191490	0.18304454	-0.55884259
H	18.05789800	10.98714400	1.15833200	-0.65117368	-0.12564360	-0.32536422
H	19.09841000	10.25266000	1.96344600	0.83967613	-0.19560364	0.87628271
O	8.42013500	1.52918500	0.55416900	2.41840347	2.14093545	0.08327280
H	9.19690200	2.08430100	0.09227300	-1.77210562	-1.42013725	0.63435658
H	8.44643100	2.00520600	1.45565500	-0.48695335	-1.01768822	-1.08683028
O	9.50992800	3.73451400	11.57632300	1.34692904	-0.42210812	-1.24916179
H	10.53580300	3.70652300	11.49094400	-1.11534172	-0.19413038	-0.06227790
H	9.36301700	4.08933100	12.43887400	-0.41285560	0.38691041	1.05403765
O	17.06747600	18.12846600	11.37765000	-0.90312802	1.14617932	-0.97521567
H	17.40985500	18.23626300	10.45461900	-0.17869798	-0.13966265	0.11283051
H	17.76118100	17.62978600	11.80537400	1.03921063	-0.84690236	0.70664847
O	13.21248000	14.84840300	8.74420100	-0.18498065	-0.50769463	-0.34169939
H	12.48130500	14.17480600	8.83798400	0.38749011	0.29394928	0.22263851
H	13.19941600	15.38181900	9.54793300	-0.17599141	0.02759110	0.14012658
O	18.27278500	13.94873800	16.31214500	-0.33102737	-0.94828271	-0.93942113
H	18.61915200	13.41816500	15.55152200	-0.49784032	-0.02578829	0.27461537
H	19.06147000	14.45233300	16.47143900	0.98796228	0.90512891	0.54367249
O	9.60371200	16.78758800	8.96458400	-0.04124234	1.28536872	-0.94562129
H	10.49910300	16.77862500	9.35491300	0.37583890	-0.07787802	0.38581265
H	9.63973600	17.66951200	8.42584500	-0.22506313	-1.36775652	0.89196809
O	8.54863900	5.24441700	9.45053200	0.78907877	1.46537243	-0.84010596
H	9.23520900	5.92812500	9.25528200	-0.91380368	-0.32539346	-0.25724966
H	8.94258900	4.80929100	10.20017000	0.43088970	-1.00190614	1.44157267
O	10.46739700	19.17903900	11.45806100	0.23061679	-0.71205207	0.89999144

H	9.57394800	19.06172200	11.82440100	-0.33806166	-0.00021445	0.31796317
H	10.33623300	19.80938000	10.76100300	0.36352276	0.94048877	-1.03104618
O	16.49042500	4.50300000	8.50608700	-0.92956034	-1.65452244	1.09550857
H	17.13750100	4.96253500	8.00732600	1.30433811	1.12360052	-0.85627203
H	16.99510200	3.78097200	8.96942100	-0.43756140	0.04781125	-0.19296746
O	16.80758300	7.53108500	18.17296200	1.51982330	0.84392669	0.98050132
H	16.16673300	6.85188800	17.98437300	-0.85504272	-0.79323574	-0.56647461
H	17.46146600	7.12578100	18.78389900	-0.55100461	0.39957892	-0.43365337
O	11.26648600	12.95408400	9.20777100	-1.11784994	0.32831926	-1.06983467
H	11.34078100	12.84352500	10.14388000	0.84205774	-0.38417628	1.75296388
H	10.33663600	13.29865500	9.14669700	0.64960182	-0.12152210	-0.83880595
O	19.32255400	8.68657400	7.37234300	-0.11915790	-0.46373859	0.15635907
H	18.74612000	9.42674900	7.17332200	-0.02829112	1.01847458	-0.35708304
H	18.63298800	8.00263200	7.39856400	0.42347101	-0.55710779	0.31504483
O	3.79878900	11.78457400	16.89984300	-0.38953310	-0.17562661	0.10677374
H	4.25141900	11.02854500	17.28541400	0.12853710	-0.27812903	0.33042401
H	3.37426800	11.45309500	16.09105900	-0.17624695	-0.21708979	-0.43859231
O	3.75097800	8.34299700	16.19189800	-0.11842492	-0.19852062	-0.15921886
H	4.66552000	8.37146900	16.52480900	-0.18247230	0.17786487	0.22940607
H	3.17001600	8.16005800	16.99914600	0.73188210	0.15800256	-0.49743548
O	16.53361900	5.72859500	0.93900500	-1.86318737	-1.83086278	-0.51419410
H	17.06676500	4.94197100	0.72977800	0.44289773	0.32448440	-0.13384594
H	17.07557900	6.40939300	1.26340900	1.53578207	1.34530477	0.49076547
O	3.73471900	1.16726600	17.89948300	0.50927272	-0.51371931	-0.26331045
H	4.60304900	0.76805400	18.08486000	-0.10817237	-0.68259215	-0.09105639
H	4.03127800	2.08951200	17.86764300	-0.30248946	0.72480057	0.39863552
O	5.12983700	15.84211200	11.30673600	1.07999184	2.14092820	0.89375854
H	6.09290700	16.05039600	11.13117800	-0.75258455	0.12533105	0.32425251
H	5.09632900	14.97404400	10.99123400	-0.37104568	-2.47299416	-1.15368177
O	14.18774100	3.30500000	7.18271400	-0.72168447	-0.67440033	-0.61088529
H	14.25298500	2.52798100	6.59848200	-0.02087129	-0.10510260	-0.09547702
H	15.10771300	3.57515300	7.21850600	0.64192456	0.70007729	0.56974360
O	18.12475200	18.47987000	8.77065900	-0.46878859	-0.68800777	0.22225948
H	17.53338600	19.11105900	8.30879000	0.05534112	0.31967887	0.12454642
H	18.84762600	18.98379900	9.20750300	0.02135922	0.39857296	-0.19864955
O	14.97151800	16.36326800	1.96199400	0.61857880	-2.51396421	-0.27293072
H	14.43584900	15.53566000	2.17351000	0.43011145	1.27000642	-0.11567688
H	14.43217700	17.12222500	2.08796400	-0.93389982	0.81266762	0.35150202
O	4.35255800	5.53029200	5.58156100	0.17018382	0.55873862	0.55891894
H	3.44335000	5.64871200	5.93798200	0.58097653	0.09762856	-0.17910899
H	4.90009800	6.19290000	6.09146700	-0.52267496	-0.73016777	-0.67354561
O	5.05482700	13.96050200	16.61384800	-0.03752515	1.37462742	0.27938351
H	4.71188100	13.08434600	16.84086400	-0.56958793	-0.70738508	-0.01881455
H	5.92824100	13.79349000	16.25733900	0.82892203	0.04530168	-0.40549286
O	5.22506500	10.03424400	13.75447600	-1.53035173	1.62162451	-1.33815487
H	5.86735200	9.39688700	13.95068700	1.16996394	-1.63654267	0.96846413
H	4.45517200	10.02501000	14.34695400	0.24720661	-0.34409054	0.13470408
O	8.95266200	15.69584900	2.41191700	1.80188814	-0.35134494	-0.53577178

H	9.96041200	15.61192600	2.31368300	-1.46958321	-0.15458738	0.22095619
H	8.87279100	16.60284800	2.75752000	-0.39997994	0.29498305	0.55045020
O	6.55765600	18.78484000	10.22601800	0.88091828	-0.74862447	0.77787147
H	7.04328900	18.02231600	10.71903100	-0.80819484	1.13696583	-0.92612998
H	5.61939600	18.66710100	10.39199700	-0.38843529	-0.08029511	0.10421779
O	6.33589200	9.28257800	17.39062300	-0.08930440	-0.34033403	0.02574597
H	6.31711900	10.12583900	17.85274100	-0.29252459	0.14310346	0.58421377
H	7.10388800	9.46251400	16.84257100	0.39113381	0.10279409	-0.68237395
O	10.07642200	16.60772700	13.06391100	-1.74537807	-0.50333013	-0.02604486
H	10.17157700	15.62496400	13.16237400	0.18331351	0.49235183	0.04665416
H	10.92322700	17.02942300	13.10567100	1.05466674	0.00314392	0.06758326
O	10.66954100	13.93685400	0.78454800	-1.35812279	-1.25624592	-0.35157475
H	9.86161600	13.55125700	0.32857800	0.93618640	0.86637477	0.16496217
H	10.55393400	13.38779000	1.60592400	0.51794484	0.41845699	-0.00426977
O	14.88099000	1.81157500	4.89278200	-0.67482453	0.60419543	-0.63668803
H	14.31856600	2.28783700	4.21821600	0.78136190	-0.45999459	0.35401943
Zn	4.42951800	8.99890200	11.14569900	0.91087088	0.38985069	-0.83551798
Cl	6.28853800	10.54257800	10.58492400	-1.44645809	-1.29722958	0.32084651