

## Supporting Information

### **Accurate prediction of the structure and vibrational spectra of ionic liquid clusters with the generalized energy-based fragmentation approach: critical role of the ion-pair-based fragmentation**

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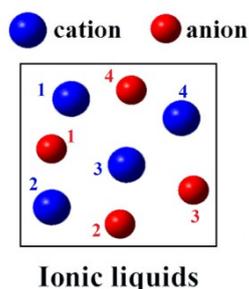
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**(1) Automatic ion-pair-based fragmentation procedure for an IL system.**



We will take this IL cluster (with 4 cations and 4 anions) as an example to illustrate the procedure, which contains the following four steps:

**Step 1:** Construct the cation-anion distance matrix of this cluster. Here the distance (in Å) between a cation and an anion is defined as the minimum distance between any atoms of a cation and any atoms of an anion.

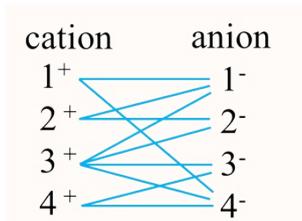
		Anions			
		1 <sup>-</sup>	2 <sup>-</sup>	3 <sup>-</sup>	4 <sup>-</sup>
Cations	1 <sup>+</sup>	1.3	5.5	7.0	1.5
	2 <sup>+</sup>	1.4	1.6	6.0	6.5
	3 <sup>+</sup>	1.5	1.3	2.0	2.1
	4 <sup>+</sup>	5.0	5.5	2.5	1.5

**Step 2:** For each cation, label its neighboring anions if the cation-anion distance is less than 4.0 Å.

		Anions			
		1 <sup>-</sup>	2 <sup>-</sup>	3 <sup>-</sup>	4 <sup>-</sup>
Cations	1 <sup>+</sup>	<b>1.3</b>	5.5	7.0	<b>1.5</b>
	2 <sup>+</sup>	<b>1.4</b>	<b>1.6</b>	6.0	6.5
	3 <sup>+</sup>	<b>1.5</b>	<b>1.3</b>	<b>2.0</b>	<b>2.1</b>
	4 <sup>+</sup>	5.2	5.5	<b>2.5</b>	<b>1.5</b>

List all labelled cation-anion pairs from the above table:

$1^+—1^-$ ,  $1^+—4^-$ ;  
 $2^+—1^-$ ,  $2^+—2^-$ ;  
 $3^+—1^-$ ,  $3^+—2^-$ ,  $3^+—3^-$ ,  $3^+—4^-$ ;  
 $4^+—3^-$ ,  $4^+—4^-$ ;



**Step 3:** Use the above result to search the optimal pairing scheme.

Two conditions should be satisfied in searching the optimal pairing scheme:

- (1) Each cation (or anion) should be paired with one of its neighboring anions (or cations) to form an ion pair;
- (2) Any cation or anion in an IL system should be paired.

There are four pairing schemes, as listed below:

Assignment 1	Assignment 2	Assignment 3	Assignment 4																																								
<table border="1"> <thead> <tr> <th>cation</th> <th>anion</th> </tr> </thead> <tbody> <tr> <td><math>1^+</math></td> <td><math>1^-</math></td> </tr> <tr> <td><math>2^+</math></td> <td><math>2^-</math></td> </tr> <tr> <td><math>3^+</math></td> <td><math>3^-</math></td> </tr> <tr> <td><math>4^+</math></td> <td><math>4^-</math></td> </tr> </tbody> </table>	cation	anion	$1^+$	$1^-$	$2^+$	$2^-$	$3^+$	$3^-$	$4^+$	$4^-$	<table border="1"> <thead> <tr> <th>cation</th> <th>anion</th> </tr> </thead> <tbody> <tr> <td><math>1^+</math></td> <td><math>1^-</math></td> </tr> <tr> <td><math>2^+</math></td> <td><math>2^-</math></td> </tr> <tr> <td><math>3^+</math></td> <td><math>3^-</math></td> </tr> <tr> <td><math>4^+</math></td> <td><math>4^-</math></td> </tr> </tbody> </table>	cation	anion	$1^+$	$1^-$	$2^+$	$2^-$	$3^+$	$3^-$	$4^+$	$4^-$	<table border="1"> <thead> <tr> <th>cation</th> <th>anion</th> </tr> </thead> <tbody> <tr> <td><math>1^+</math></td> <td><math>1^-</math></td> </tr> <tr> <td><math>2^+</math></td> <td><math>2^-</math></td> </tr> <tr> <td><math>3^+</math></td> <td><math>3^-</math></td> </tr> <tr> <td><math>4^+</math></td> <td><math>4^-</math></td> </tr> </tbody> </table>	cation	anion	$1^+$	$1^-$	$2^+$	$2^-$	$3^+$	$3^-$	$4^+$	$4^-$	<table border="1"> <thead> <tr> <th>cation</th> <th>anion</th> </tr> </thead> <tbody> <tr> <td><math>1^+</math></td> <td><math>1^-</math></td> </tr> <tr> <td><math>2^+</math></td> <td><math>2^-</math></td> </tr> <tr> <td><math>3^+</math></td> <td><math>3^-</math></td> </tr> <tr> <td><math>4^+</math></td> <td><math>4^-</math></td> </tr> </tbody> </table>	cation	anion	$1^+$	$1^-$	$2^+$	$2^-$	$3^+$	$3^-$	$4^+$	$4^-$
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$\sum d = 6.4 \text{ \AA}$	$7.5 \text{ \AA}$	$6.7 \text{ \AA}$	$7.1 \text{ \AA}$																																								

$\sum d$  means the sum of the distances between all cation-anion pairs.

**Step 4:** Obtain the optimal pairing scheme, in which the sum of the distances between all cation-anion pairs is the minimum among all possible pairing schemes.

So the assignment **1** denotes the optimal pairing scheme.

**Optimal** pairing scheme:  $1^+—1^-$ ,  $2^+—2^-$ ,  $3^+—3^-$ ,  $4^+—4^-$ ;  $\sum d = 6.4 \text{ \AA}$

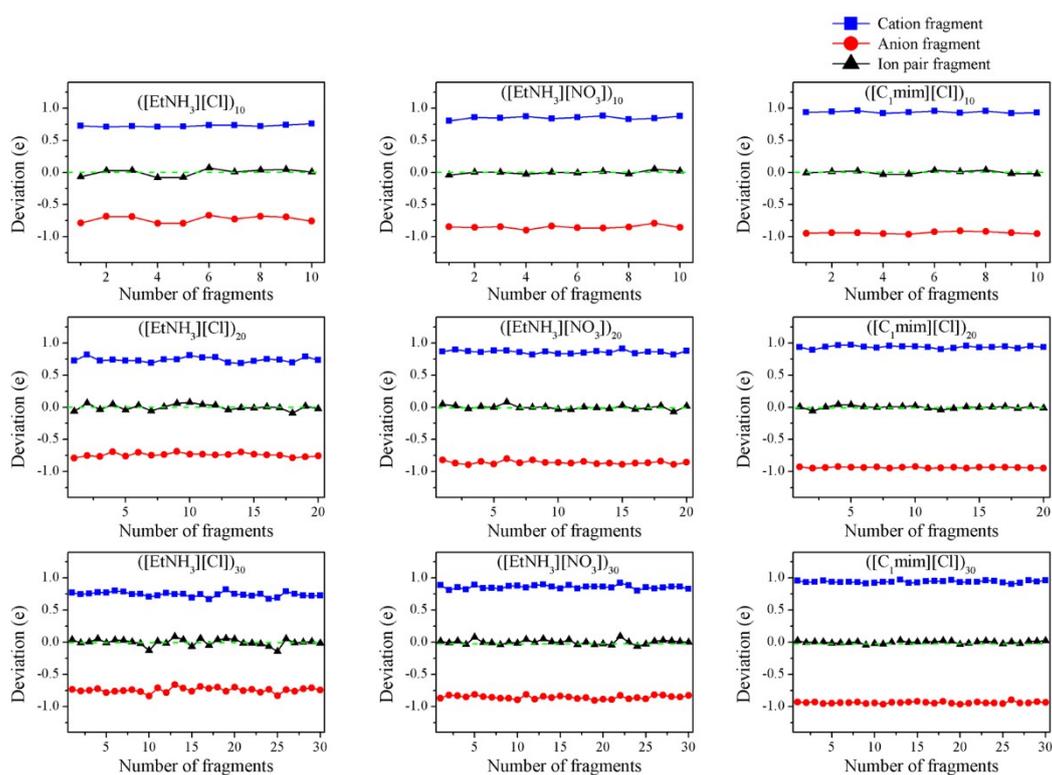
With the above procedure, one can easily achieve the automatic pairing scheme for all cations and anions in an IL cluster or crystal. With each ion-pair as a fragment, one

can achieve the automatic construction of various subsystems in the GEBF approach for a general IL system.

## (2) Validation details of the GEBF approach for various IL clusters

**Table S1** Ground-state energy deviations (in kcal/mol) between full system calculations and GEBF calculations with different  $\zeta$  values and two different types of background point charges (with the ion-pair-based fragmentation scheme) for  $([\text{EtNH}_3][\text{Cl}])_n$  ( $n=10, 20,$  and  $30$ ) at the M06-2X/6-31G\*\* level.

$\zeta$ (Å)	NPA charges			ESP charges		
	$n=10$	$n=20$	$n=30$	$n=10$	$n=20$	$n=30$
3	-0.03	1.46	-0.37	-1.15	2.12	0.14
4	0.18	1.92	0.65	0.23	2.30	0.94
5	0.11	0.35	0.86	0.11	0.22	1.36
6	0.11	0.20	0.56	0.11	0.20	-0.74

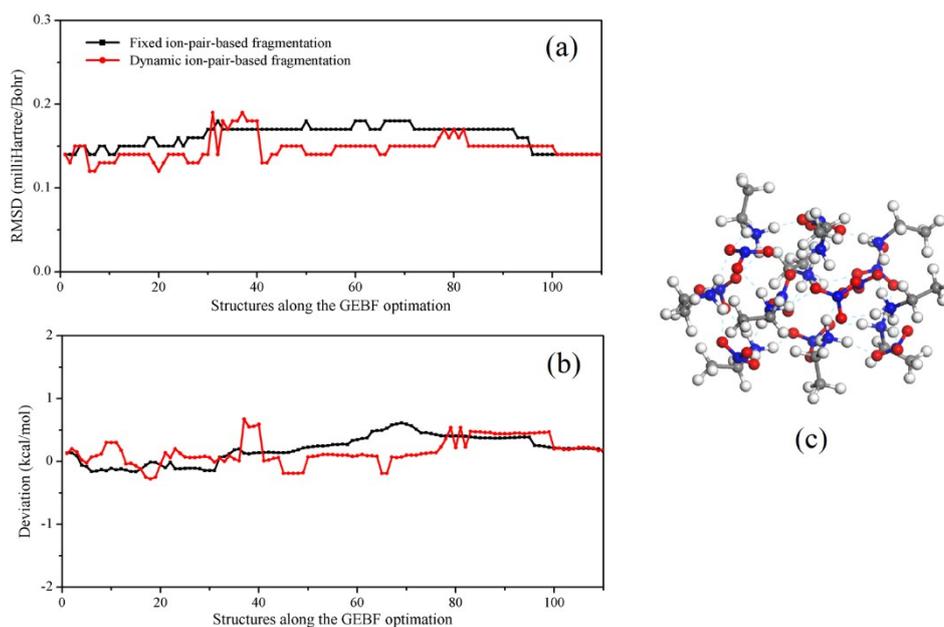


**Fig. S1** Charge distributions in various cations, anions and ion pair fragments from GEBF-M06-2X/6-31G\*\* calculations for  $([\text{EtNH}_3][\text{Cl}])_n$ ,  $([\text{EtNH}_3][\text{NO}_3])_n$ , and  $([\text{C}_1\text{mim}][\text{Cl}])_n$  ( $n=10, 20,$  and  $30$ ) clusters.

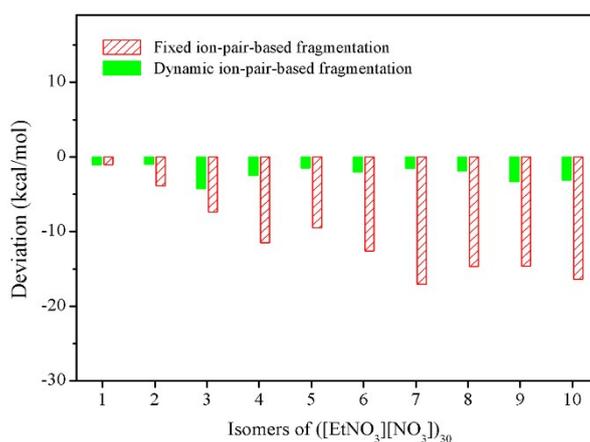
**Table S2** Average unsigned errors (AUEs) of the GEBF energies obtained with two different fragmentation schemes (ion-pair-based fragmentation and ion-based fragmentation) at the M06-2X/6-31G\*\* level (relative to the corresponding full system energies) as a function of the  $\gamma_{\max}$  value for three IL clusters.<sup>a</sup>

$\gamma_{\max}$	AUEs (kcal/mol)		
	$([\text{EtNH}_3][\text{Cl}])_n$ ( $n=10,20,30$ )	$([\text{EtNH}_3][\text{NO}_3])_n$ ( $n=10,20,30$ )	$([\text{C}_1\text{mim}][\text{Cl}])_n$ ( $n=10,20,30$ )
3	2.00 (17.93)	1.21 (13.98)	0.88 (0.52)
4	3.71 (19.62)	6.93 (8.60)	0.45 (2.27)
5	0.23 (22.89)	2.69 (9.49)	0.31 (1.48)
6	0.99 (17.27)	0.51 (6.91)	0.28 (1.13)
7	0.84 (7.78)	0.44 (6.57)	0.16 (0.82)

<sup>a</sup>The GEBF results obtained with the ion-based fragmentation scheme (with  $2.0*\gamma_{\max}$ ) are displayed in the parenthesis.



**Fig. S2** (a) The root-mean-squared deviations (RMSDs) between energy gradients obtained with conventional calculations and GEBF calculations (with fixed and dynamic ion-pair-based fragmentations) during the optimization of  $([\text{EtNH}_3][\text{NO}_3])_{10}$  at the M06-2X/6-31G\*\* level. (b) The corresponding energy deviations obtained from GEBF calculations with fixed and dynamic ion-pair-based fragmentations (relative to the corresponding conventional results). (c) The initial structure of  $([\text{EtNH}_3][\text{NO}_3])_{10}$  under study.



**Fig. S3** Ground-state energy deviations between conventional M06-2X/6-31G\*\* calculations and GEBF-M06-2X/6-31G\*\* calculations (with fixed and dynamic ion-pair-based fragments) for ten isomers of  $([\text{EtNH}_3][\text{NO}_3])_{30}$ , whose geometries were taken out along classical MD trajectories.

**(3) Cartesian coordinates of studied IL clusters.**

1)	$([\text{EtNH}_3][\text{Cl}])_{10}$	$([\text{EtNH}_3][\text{Cl}])_{20}$	$([\text{EtNH}_3][\text{Cl}])_{30}$
2)	$([\text{EtNH}_3][\text{NO}_3])_{10}$ $\frac{1}{6} \frac{2}{7} \frac{3}{8} \frac{4}{9} \frac{5}{10}$	$([\text{EtNH}_3][\text{NO}_3])_{20}$ $\frac{1}{6} \frac{2}{7} \frac{3}{8} \frac{4}{9} \frac{5}{10}$	$([\text{EtNH}_3][\text{NO}_3])_{30}$ $\frac{1}{6} \frac{2}{7} \frac{3}{8} \frac{4}{9} \frac{5}{10}$
3)	$([\text{C}_1\text{mim}][\text{Cl}])_{10}$	$([\text{C}_1\text{mim}][\text{Cl}])_{20}$	$([\text{C}_1\text{mim}][\text{Cl}])_{30}$
4)	$([\text{C}_1\text{mim}][\text{BF}_4])_{10}$	$([\text{C}_1\text{mim}][\text{BF}_4])_{20}$	$([\text{C}_1\text{mim}][\text{BF}_4])_{30}$
5)	$([\text{C}_1\text{mim}][\text{NO}_3])_{10}$	$([\text{C}_1\text{mim}][\text{NO}_3])_{20}$	$([\text{C}_1\text{mim}][\text{NO}_3])_{30}$
6)	$([\text{n-C}_4\text{NH}_3][\text{NO}_3])_{10}$	$([\text{n-C}_4\text{NH}_3][\text{NO}_3])_{20}$	$([\text{n-C}_4\text{NH}_3][\text{NO}_3])_{30}$
7)	$([\text{n-C}_4\text{mim}][\text{BF}_4])_{10}$	$([\text{n-C}_4\text{mim}][\text{BF}_4])_{20}$	$([\text{n-C}_4\text{mim}][\text{BF}_4])_{30}$

[(EtNH<sub>3</sub>][Cl])<sub>10</sub>

Atomic Number	Atomic Coordinates (Angstroms)		
	X	Y	Z
C	-0.482004	2.444716	2.968311
H	-0.715659	1.569145	3.574019
H	0.280204	2.094084	2.272469
H	0.016036	3.206552	3.568031
C	-1.649987	3.086049	2.218412
H	-1.919677	2.408205	1.408539
H	-1.204106	4.035609	1.922397
N	-2.814180	3.486168	3.023646
H	-3.554159	3.647799	2.355509
H	-3.023785	2.676415	3.589742
H	-2.640394	4.368454	3.483504
Cl	-3.718699	0.868824	3.735301
C	-8.055582	-2.428805	-2.511561
H	-8.492713	-2.834508	-3.423933
H	-8.084724	-3.142502	-1.688222
H	-8.691062	-1.583513	-2.247461
C	-6.637436	-1.892788	-2.710027
H	-6.691413	-1.217594	-3.564017
H	-6.009675	-2.753851	-2.939346
N	-6.231409	-1.157723	-1.502276
H	-6.381192	-1.555268	-0.585966
H	-5.250147	-0.957171	-1.632669
H	-6.659425	-0.246810	-1.586771
Cl	-6.517418	-1.893537	1.351662
C	-2.761520	-3.221708	0.824170
H	-3.156295	-2.886740	-0.135022
H	-1.863175	-3.833299	0.740314
H	-3.614355	-3.892501	0.928141
C	-2.744801	-2.093943	1.856500
H	-1.737038	-1.718167	1.679569
H	-2.791955	-2.584635	2.828661
N	-3.837123	-1.129788	1.653814
H	-3.797414	-0.536341	0.837515
H	-4.779610	-1.478312	1.755541
H	-3.774200	-0.363317	2.308537
Cl	-3.586109	0.159244	-1.064900
C	-4.757140	3.201335	-4.095737
H	-5.788067	2.847503	-4.086020
H	-4.538253	3.949302	-4.857796
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C	-4.616152	3.750368	-2.675693
H	-5.159651	4.693636	-2.621340
H	-3.679619	4.305968	-2.627601
N	-4.809303	2.842748	-1.534308
H	-4.712817	3.397414	-0.695775
H	-5.651570	2.285526	-1.520527
H	-4.130703	2.137388	-1.285168
Cl	-4.571425	4.280966	0.853127
C	-10.200633	1.359401	0.952778
H	-10.081234	2.168015	1.673879
H	-10.186752	1.618379	-0.105918
H	-11.206585	0.986064	1.144558

C	-9.195349	0.255326	1.281816
H	-9.259194	-0.607570	0.618918
H	-9.206683	-0.040085	2.330960
N	-7.788784	0.679142	1.205693
H	-7.582139	1.397855	1.884552
H	-7.225406	-0.159123	1.201458
H	-7.585473	1.083665	0.302849
Cl	-7.302935	1.403269	-1.669472
C	-9.139880	6.960059	6.539623
H	-9.788892	7.686833	7.028175
H	-9.365480	6.877439	5.476430
H	-9.143772	5.971582	6.998969
C	-7.769073	7.624941	6.668705
H	-7.532601	7.485321	7.723545
H	-7.899181	8.687039	6.461052
N	-6.876180	6.912368	5.741978
H	-6.840652	7.087703	4.747948
H	-5.981905	7.341804	5.931601
H	-6.895152	5.905271	5.816109
Cl	-1.517835	5.639698	4.343375
C	-6.416576	-0.756604	5.994020
H	-5.397797	-1.127290	6.107074
H	-7.056981	-1.513701	6.446553
H	-6.472586	-0.903699	4.915445
C	-6.319949	0.651625	6.581724
H	-5.585547	0.758322	7.380078
H	-7.242107	1.007184	7.041402
N	-5.752424	1.602409	5.613340
H	-5.070960	1.187959	4.993713
H	-6.600692	1.795250	5.100159
H	-5.610463	2.494935	6.064277
Cl	-5.768362	4.065885	6.943912
C	-9.364570	5.441752	0.545424
H	-9.263409	6.515076	0.706176
H	-10.109357	5.138919	-0.190569
H	-9.872317	4.993047	1.399215
C	-7.965184	4.891826	0.267679
H	-7.364003	5.436424	-0.460396
H	-8.000717	3.846071	-0.037663
N	-7.229165	4.887090	1.541293
H	-7.115053	5.824030	1.900769
H	-7.598490	4.338911	2.304968
H	-6.319143	4.528851	1.289054
Cl	-7.731477	2.516803	3.438889
C	-2.569269	7.072732	1.251710
H	-2.222613	7.719356	0.445605
H	-1.958560	6.170698	1.290033
H	-3.559993	6.723249	0.961142
C	-2.810177	7.964320	2.470264
H	-3.310141	8.913573	2.277773
H	-1.955765	8.303359	3.056041
N	-3.738067	7.302149	3.399990
H	-3.804428	7.846868	4.247916
H	-4.710134	7.205741	3.143297
H	-3.336487	6.429943	3.713182
Cl	-6.634118	7.286180	2.866343
C	-1.785680	4.438953	8.292207
H	-2.483895	3.648064	8.566235

H	-1.357330	4.094031	7.351120
H	-1.068920	4.482438	9.112246
C	-2.466802	5.794098	8.098569
H	-1.743032	6.561775	7.824838
H	-2.793263	6.137758	9.080109
N	-3.482713	5.772935	7.034934
H	-3.061355	5.251237	6.279693
H	-4.336232	5.269520	7.230327
H	-3.790266	6.688639	6.739982
Cl	-4.451229	8.288193	5.979639

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Return

([EtNH<sub>3</sub>][Cl])<sub>20</sub>

Atomic Number	Atomic Coordinates (Angstroms)		
	X	Y	Z
C	5.715478	2.964621	2.817451
H	6.693830	3.426649	2.949584
H	5.817678	1.950094	3.202666
H	5.374984	2.896526	1.784239
C	4.608481	3.675359	3.596715
H	4.454910	4.647966	3.129221
H	4.898741	3.780534	4.642079
N	3.358861	2.915063	3.752408
H	3.585585	2.081022	4.274971
H	2.753839	3.539575	4.266250
H	2.956472	2.726498	2.845420
Cl	2.737581	2.344463	1.108642
C	4.019673	-1.437350	-0.444038
H	3.778212	-2.193126	0.303358
H	4.759387	-1.976078	-1.036234
H	4.566324	-0.679024	0.116509
C	2.857195	-0.862601	-1.254069
H	2.358078	-1.741970	-1.661122
H	3.228393	-0.370542	-2.153063
N	1.888290	-0.129370	-0.424950
H	1.585731	-0.787047	0.279337
H	2.267148	0.692803	0.022932
H	1.002895	0.084014	-0.861577
Cl	-2.073713	-0.050932	0.094640
C	-6.375996	-1.135210	-0.347586
H	-6.812936	-1.724563	0.458545
H	-7.184161	-1.013139	-1.068743
H	-5.577712	-1.707640	-0.819992
C	-5.703434	0.105486	0.240781
H	-5.076140	0.519620	-0.548583
H	-5.145542	-0.227918	1.115823
N	-6.664437	1.140054	0.653070
H	-6.250962	2.016233	0.938464
H	-7.342197	1.354340	-0.064442
H	-7.310999	0.741293	1.318687
Cl	-8.731008	2.120463	-1.071258
C	-8.066300	-2.718190	4.696310
H	-8.748320	-2.534109	3.866212
H	-7.280274	-3.296287	4.210441
H	-8.709332	-3.288654	5.366521
C	-7.715567	-1.451504	5.477549
H	-7.449915	-1.795711	6.477073
H	-8.579222	-0.797153	5.595976
N	-6.570497	-0.764063	4.861044
H	-6.055429	-0.199886	5.521733
H	-5.917546	-1.469627	4.551310
H	-6.964647	-0.190004	4.129469
Cl	-0.369238	-0.695859	6.681314
C	-7.335607	4.904067	-4.846429
H	-6.317907	5.278263	-4.957619
H	-7.610359	4.500969	-5.821172
H	-7.871216	5.772412	-4.462765

C	-7.633395	3.703426	-3.947750
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Return

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H	11.532219	-8.090848	22.672442
C	9.858880	-6.983699	23.720148
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N	8.843197	-7.649992	22.890520
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Cl	1.629417	-9.487123	24.971214
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H	10.473418	2.159110	13.678624
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H	4.953535	-8.549801	12.840066
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H	6.860812	-6.623946	13.357617
H	6.163968	-7.338019	14.779657
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H	5.317847	-4.841096	13.467450
H	4.580532	-5.550201	14.834644
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H	9.456979	-0.508318	18.988229
H	8.281955	-1.041748	20.104267
C	9.091843	-2.586022	18.634951
H	8.722695	-3.398344	19.261020
H	10.086060	-2.816843	18.252389
N	8.012404	-2.266028	17.688243
H	7.277136	-1.947973	18.303323
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C	5.515154	1.584017	16.047504
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N	5.858910	0.457767	15.165895
H	5.044907	-0.139568	15.192169
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C	1.687138	-3.123004	18.092985
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H	-0.850408	-20.797445	23.898674
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H	-2.065527	-18.064125	23.193326
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N	12.760936	-8.785886	14.880983
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H	12.176348	-8.014305	14.592851
Cl	11.249318	-6.714609	13.601154
C	12.705307	-2.888130	13.152094
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H	12.344811	-2.242795	12.351041
H	13.549500	-2.318529	13.540673
C	11.581197	-3.124452	14.161237
H	11.378568	-2.205839	14.711865
H	12.068495	-3.727758	14.927176
N	10.460473	-3.904957	13.614767
H	9.636826	-4.187482	14.126515
H	9.972792	-3.254974	13.014943
H	10.693625	-4.823320	13.264983
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H	1.003902	-6.680114	24.817968
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C	3.228517	-6.714788	24.385295
H	3.506018	-7.037547	25.388748
H	3.945930	-5.977544	24.024892
N	3.362897	-7.848807	23.458049
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H	3.201040	-7.684736	22.474696
H	4.367635	-7.948479	23.483862
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H	-2.620631	-7.030601	24.561926
H	-1.003028	-7.244591	23.969191
C	-1.812395	-9.169140	24.717534

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H	-1.344860	-9.034710	25.692951
N	-1.049227	-10.033064	23.803723
H	-0.076859	-9.871952	24.024275
H	-1.121101	-10.996803	24.097222
H	-1.294800	-9.862225	22.839043
Cl	-1.855165	-12.549656	24.806668
C	4.712503	-12.666792	15.960201
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H	5.526749	-13.320987	16.271864
H	3.688090	-13.017836	16.084480
C	4.982024	-11.344923	16.679827
H	4.737432	-11.668489	17.691548
H	4.185007	-10.618879	16.519440
N	6.284114	-10.664114	16.609806
H	6.200612	-9.699310	16.896654
H	6.912639	-11.029828	17.310740
H	6.601678	-10.571349	15.655528
Cl	8.628974	-11.999733	17.953415
C	10.447300	-6.557428	17.026716
H	10.342654	-5.777795	16.272182
H	10.785767	-6.178747	17.991154
H	11.284047	-7.219146	16.802922
C	9.111862	-7.288556	17.167777
H	9.271060	-8.102513	17.875046
H	8.766284	-7.594069	16.180185
N	8.082197	-6.415533	17.752125
H	7.904935	-5.550923	17.261078
H	7.238976	-6.958933	17.634674
H	8.243399	-6.296993	18.742106
Cl	4.696541	-3.954434	11.660672

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([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>10</sub> conformer -1

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H	-10.912973	2.017902	-0.053102
H	-11.049235	3.676220	-0.739481
C	-9.223258	2.571388	-1.201628
H	-8.716182	3.122446	-0.409600
H	-8.969590	3.091389	-2.125398
N	-8.557191	1.259837	-1.207172
H	-9.099866	0.758735	-0.518332
H	-8.720169	0.823035	-2.103131
H	-7.557486	1.353315	-1.097846
N	0.244968	-2.596878	0.686522
O	0.841416	-1.804319	-0.034017
O	0.516917	-2.355169	1.857289
O	-0.922418	-2.877391	0.438329
C	-5.846945	2.312424	3.412040
H	-6.918124	2.126793	3.490889
H	-5.611473	2.509595	4.457878
H	-5.505469	3.203234	2.884829
C	-5.123170	1.123199	2.779793
H	-5.266929	0.219882	3.372625
H	-4.034047	1.150554	2.813884
N	-5.633134	0.797497	1.439011
H	-5.216197	-0.053334	1.089225
H	-6.620330	0.600148	1.520235
H	-5.457583	1.615066	0.872563
N	-3.558267	-2.905684	-3.091702
O	-2.532839	-3.183337	-2.479752
O	-3.374360	-1.895707	-3.761927
O	-4.626172	-3.176062	-2.553606
C	-9.618439	-4.789405	1.523395
H	-10.280931	-3.943705	1.339014
H	-9.264073	-5.143041	0.555166
H	-10.161134	-5.607912	1.996288
C	-8.511345	-4.311594	2.463544
H	-7.722970	-5.063622	2.495446
H	-8.941179	-4.097997	3.442175
N	-7.746062	-3.089652	2.171926
H	-6.992761	-2.938981	2.827621
H	-7.169086	-3.184390	1.348382
H	-8.189558	-2.199727	1.994601
N	-1.232736	2.086902	3.567133
O	-0.287197	2.041925	2.788026
O	-1.379484	1.042085	4.191551
O	-2.265603	2.583228	3.131330
C	-0.162464	-1.932553	5.194991
H	0.577606	-2.514539	4.645728
H	0.128335	-0.882979	5.238936
H	-0.189202	-2.366009	6.194741
C	-1.545878	-2.129585	4.574357
H	-2.404183	-1.903349	5.206994
H	-1.652552	-3.202543	4.414730
N	-1.717972	-1.481302	3.265176
H	-1.070356	-1.826962	2.571481
H	-2.621307	-1.745934	2.899042
H	-1.596146	-0.481949	3.346127
N	-7.774744	0.201255	-4.291009
O	-7.724678	-0.690311	-5.131056
O	-6.747137	0.296077	-3.629112
O	-8.747454	0.242542	-3.545886
C	0.331122	-2.465381	-4.326190

H	-0.655576	-2.889217	-4.512982
H	0.657941	-2.224388	-5.337729
H	0.917637	-3.279950	-3.901245
C	0.176246	-1.206933	-3.471695
H	-0.317980	-0.399541	-4.012028
H	1.159313	-0.821467	-3.201333
N	-0.576006	-1.499545	-2.241925
H	-1.335514	-2.146681	-2.398331
H	0.071873	-1.950324	-1.611725
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N	-6.256377	-1.856990	-0.389980
O	-6.943327	-2.871375	-0.343068
O	-5.490033	-1.733748	0.559022
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C	-0.717231	5.109036	1.305429
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H	-2.503322	3.375958	1.500052
H	-3.508221	3.633942	0.161234
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N	-4.730353	-3.443793	2.939964
O	-5.307573	-2.463495	3.397029
O	-5.425877	-4.156317	2.224680
O	-3.525148	-3.353019	2.734256
C	-2.741666	-5.854736	1.211046
H	-2.095820	-5.271534	1.867445
H	-3.644504	-6.215335	1.703948
H	-2.199901	-6.709990	0.807152
C	-3.260040	-5.205162	-0.072380
H	-4.062898	-5.737833	-0.582066
H	-2.392433	-5.101073	-0.723935
N	-3.483141	-3.756193	0.048268
H	-4.105067	-3.529521	0.811109
H	-2.621735	-3.334556	0.364974
H	-3.792928	-3.314912	-0.805784
N	-2.759067	0.150537	0.074650
O	-3.437556	1.153702	-0.116105
O	-2.827406	-0.735451	-0.769999
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C	2.329722	0.510387	3.097430
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H	2.146452	-0.561990	3.164660
H	3.290422	0.628542	3.598622
C	2.281788	0.950275	1.633858
H	3.098661	0.491379	1.076874
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N	0.978516	0.707633	0.996326
H	0.889419	-0.273309	0.772908
H	0.172393	0.898532	1.574101
H	0.900170	1.303057	0.184272
N	-5.546616	3.278213	-0.859933
O	-4.545266	3.652594	-1.460111
O	-5.483448	3.317823	0.363798
O	-6.079386	2.325807	-1.418640
C	-9.121289	-3.553521	-3.988472
H	-9.175631	-2.888699	-4.850538
H	-9.546346	-4.556504	-4.026582
H	-9.478064	-3.018340	-3.108476
C	-7.641768	-3.752160	-3.657713
H	-7.061177	-4.229356	-4.447205
H	-7.567788	-4.311125	-2.724877
N	-6.935251	-2.521729	-3.269493

H	-7.393465	-2.220300	-2.421388
H	-6.029400	-2.786716	-2.909888
H	-6.836410	-1.847125	-4.014637
N	-9.129330	-0.047578	1.604929
O	-9.508621	-0.504445	0.532321
O	-8.977841	-0.799991	2.560963
O	-8.384155	0.920459	1.501508
C	-4.231985	1.892104	-4.977709
H	-3.689109	2.440894	-5.747263
H	-4.522568	0.964483	-5.470841
H	-5.106015	2.376169	-4.541990
C	-3.377293	1.478608	-3.779224
H	-2.906366	2.318338	-3.268166
H	-2.508503	0.939521	-4.156967
N	-4.221479	0.708415	-2.852944
H	-4.213120	-0.238127	-3.205204
H	-3.929526	0.794754	-1.889924
H	-5.154528	1.089381	-2.919151
N	0.039804	2.250359	-1.463296
O	-0.622690	3.267928	-1.293796
O	-0.459368	1.131637	-1.414662
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H	-7.605475	3.249447	-2.903375
H	-8.424388	1.657376	-3.388537
C	-7.861396	1.784301	-1.343591
H	-8.635837	1.191332	-0.857043
H	-7.680553	2.547369	-0.586542
N	-6.811065	0.786215	-1.597501
H	-7.085264	0.067403	-2.251889
H	-6.030919	1.257301	-2.032875
H	-6.447387	0.448561	-0.717826
N	-1.069390	-3.280543	1.042472
O	-0.809444	-2.112611	0.775196
O	-1.536126	-3.469257	2.160336
O	-1.674652	-3.863013	0.149463
C	-7.147035	2.957319	2.731405
H	-7.838738	2.176688	2.414765
H	-7.675140	3.579597	3.453884
H	-6.874079	3.699840	1.981566
C	-5.775631	2.591166	3.299757
H	-5.698250	1.974796	4.195413
H	-5.159930	3.470313	3.489791
N	-4.880623	2.060188	2.260111
H	-3.951982	1.878592	2.613310
H	-5.217334	1.175010	1.909132
H	-4.855490	2.804157	1.577486
N	-5.598841	-4.877246	-1.074673
O	-6.747098	-4.447618	-1.075453
O	-5.267283	-5.521500	-0.085693
O	-4.814137	-4.057779	-1.539207
C	-8.739533	-6.078551	1.538720
H	-8.981306	-6.417474	0.531358
H	-7.709891	-6.429211	1.609252
H	-9.289849	-6.698399	2.246563
C	-8.966882	-4.588036	1.792728
H	-9.059280	-4.295211	2.838584
H	-9.950286	-4.335312	1.396311
N	-8.050564	-3.636763	1.145208
H	-8.503931	-2.734546	1.121488
H	-7.206117	-3.571716	1.695460
H	-7.791547	-3.889390	0.202240
N	-1.786048	2.971493	3.055092
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O	-2.656479	2.218789	3.478015
O	-0.761380	2.543473	2.535543
C	-0.933591	-1.132256	4.418866
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H	-0.467160	-2.104555	4.260190
H	-0.621476	-0.484728	3.599481
C	-2.451539	-1.215160	4.255150
H	-2.789853	-0.302007	4.744837
H	-2.728166	-2.096175	4.834278
N	-3.034761	-1.437388	2.923118
H	-4.038515	-1.542547	2.962115
H	-2.962790	-0.775370	2.163742
H	-2.713109	-2.334051	2.587505
N	-5.066696	-0.319202	-4.059724
O	-4.189537	0.484414	-3.763296
O	-4.755092	-1.466951	-3.761980
O	-6.257728	-0.028623	-4.068788
C	-0.547969	-1.977222	-2.752425

H	0.086275	-2.663085	-2.190796
H	0.000705	-1.881115	-3.689346
H	-0.414874	-1.013190	-2.261477
C	-1.992942	-2.426264	-2.972095
H	-2.187401	-3.456323	-3.270865
H	-2.437999	-1.802862	-3.747591
N	-2.716684	-2.346404	-1.693948
H	-2.364505	-2.986940	-0.996966
H	-2.617364	-1.438146	-1.263482
H	-3.708755	-2.428834	-1.864540
N	-9.534342	-1.650720	-0.843827
O	-8.948718	-1.036980	-1.728950
O	-9.699134	-2.846342	-1.059247
O	-9.232346	-1.411465	0.320060
C	-0.683524	6.618859	1.260433
H	0.281474	6.510462	0.765328
H	-0.964781	7.631088	1.550928
H	-0.550630	6.185586	2.251752
C	-1.808560	6.112478	0.357265
H	-1.949392	6.660622	-0.574295
H	-2.719881	5.937893	0.929205
N	-1.629752	4.705849	-0.034225
H	-1.796266	4.021719	0.689887
H	-2.485846	4.624566	-0.563938
H	-0.772742	4.463904	-0.510771
N	-5.659618	-3.174042	3.918775
O	-5.852092	-1.978128	3.729517
O	-4.512261	-3.576390	4.076138
O	-6.305686	-3.987763	3.267982
C	-4.461406	-7.078768	2.967509
H	-4.723869	-6.633458	3.927151
H	-5.395034	-7.063036	2.405201
H	-4.137757	-8.092465	3.203664
C	-3.373161	-6.323003	2.204368
H	-3.325473	-6.764008	1.208708
H	-2.381969	-6.372182	2.655168
N	-3.834748	-4.945397	1.974196
H	-4.298176	-4.952853	1.076823
H	-4.461883	-4.472067	2.608830
H	-2.962516	-4.436498	1.955920
N	-2.690362	0.948640	-0.006033
O	-2.476199	0.300161	-1.024211
O	-2.470255	0.403916	1.070027
O	-2.353298	2.124574	-0.087539
C	1.872265	-0.256515	-0.313492
H	1.134530	-1.008340	-0.593858
H	1.985790	0.334680	-1.222172
H	2.724418	-0.875309	-0.032366
C	1.400242	0.426282	0.970574
H	2.098828	1.228531	1.208218
H	1.336209	-0.216988	1.848186
N	0.212286	1.257084	0.720833
H	0.387017	1.827076	-0.094444
H	-0.569152	0.674591	0.455963
H	-0.119497	1.734487	1.546730
N	-4.746826	3.832699	-0.907254
O	-5.266535	2.885790	-1.487206
O	-3.844966	4.500852	-1.400505
O	-4.836147	3.897936	0.313746
C	-6.608416	-4.354849	-4.761156
H	-6.485764	-5.348797	-4.330895
H	-6.940248	-4.753739	-5.719735
H	-5.660514	-3.816721	-4.762252
C	-7.639436	-3.471430	-4.058014
H	-8.543878	-4.019148	-3.793271
H	-7.926068	-2.869391	-4.920272
N	-7.159021	-2.657759	-2.930635

H	-6.872844	-3.357265	-2.260639
H	-6.346353	-2.065207	-3.023118
H	-7.998526	-2.197568	-2.608834
N	-5.186756	-1.321966	0.168868
O	-4.795291	-2.217678	0.908822
O	-5.110272	-1.407164	-1.051774
O	-5.562561	-0.256676	0.645317
C	-2.466529	2.454758	-5.326724
H	-2.912594	3.140425	-6.047132
H	-1.489936	2.147177	-5.700568
H	-3.074598	1.551871	-5.270618
C	-2.476310	3.005544	-3.900407
H	-3.478878	3.418616	-3.789369
H	-1.859576	3.893596	-4.038620
N	-2.151686	2.057525	-2.823504
H	-1.164983	1.875274	-2.708174
H	-2.461990	2.546880	-1.996254
H	-2.726702	1.230531	-2.897925
N	0.509825	3.253469	-1.652665
O	0.335810	2.054166	-1.838317
O	0.789412	3.584163	-0.505691
O	-0.288848	4.000781	-2.206491

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>10</sub> conformer -3

Atomic Number	Atomic Coordinates (Angstroms)		
	X	Y	Z
C	-9.428957	1.711975	-2.165056
H	-10.150934	2.518915	-2.039766
H	-9.467615	1.476238	-3.228557
H	-9.723252	0.830454	-1.595485
C	-8.039415	2.083261	-1.646249
H	-8.115493	2.519140	-0.650096
H	-7.597683	2.776615	-2.361955
N	-7.249166	0.843418	-1.692464
H	-7.720344	0.074706	-1.237302
H	-7.041404	0.563468	-2.640389
H	-6.339589	1.060803	-1.311001
N	-0.655234	-3.889732	2.024153
O	-0.248608	-2.899781	2.622256
O	-1.589400	-4.342656	2.676280
O	-0.966852	-3.671097	0.858748
C	-5.222773	3.565521	3.907859
H	-5.745918	3.796730	4.835739
H	-4.156535	3.670768	4.108259
H	-5.525262	4.290948	3.152640
C	-5.472560	2.131896	3.438640
H	-6.530358	1.874741	3.493719
H	-5.154659	1.418093	4.198590
N	-4.931154	2.002739	2.077009
H	-3.934057	1.841950	2.070388
H	-5.352233	1.239871	1.566299
H	-5.057826	2.925341	1.686038
N	-2.875588	-2.972734	-1.693314
O	-3.336820	-2.003087	-1.101599
O	-3.529100	-4.009097	-1.737459
O	-2.301861	-2.722367	-2.747463
C	-9.332039	-2.751163	3.954478
H	-9.826239	-3.587298	3.459761
H	-8.608177	-3.234959	4.610272
H	-10.048087	-2.196960	4.561300
C	-8.756041	-1.789942	2.914226
H	-8.334831	-0.991426	3.525007
H	-9.581218	-1.496612	2.265272
N	-7.585150	-2.328925	2.205459
H	-6.861700	-2.828492	2.702604
H	-7.944738	-2.882530	1.441052
H	-7.139814	-1.584659	1.687923
N	-2.101869	0.908262	3.372966
O	-2.875569	0.617507	4.278464
O	-2.262677	1.934530	2.721820
O	-1.374652	0.096494	2.811482
C	-2.664168	-2.161711	6.681551
H	-2.212954	-2.633987	7.554168
H	-3.025491	-1.147047	6.848890
H	-3.567441	-2.741402	6.491400
C	-1.645677	-2.282008	5.547511
H	-1.216232	-3.283117	5.509337
H	-0.720058	-1.728044	5.703886
N	-2.363096	-2.010671	4.292311
H	-1.630974	-2.046152	3.597446
H	-3.019153	-2.695430	3.944758
H	-2.637608	-1.041498	4.366122
N	-5.680489	0.724576	-4.561637
O	-6.084340	1.835689	-4.236969
O	-4.479262	0.777703	-4.801026
O	-5.981118	-0.156177	-3.763532
C	-2.060637	-1.227563	-6.548356

H	-1.339007	-1.434904	-7.338521
H	-2.763043	-2.052906	-6.432015
H	-2.685666	-0.413930	-6.916381
C	-1.341334	-0.751733	-5.285807
H	-0.679397	0.095383	-5.465623
H	-0.677554	-1.516014	-4.881616
N	-2.222078	-0.569640	-4.121774
H	-3.061488	-0.048859	-4.332197
H	-2.374228	-1.446812	-3.644784
H	-1.650758	0.085895	-3.607998
N	-9.010549	-1.761950	-0.672098
O	-8.280684	-1.803084	-1.656314
O	-8.884999	-2.793402	-0.021390
O	-8.852747	-0.724067	-0.038874
C	0.327559	3.294946	1.367228
H	0.915782	3.929152	2.030459
H	0.066800	2.368373	1.878665
H	0.861365	3.293881	0.416886
C	-0.972432	4.056433	1.106452
H	-0.764711	4.968061	0.546194
H	-1.473182	4.211142	2.062179
N	-1.929654	3.414162	0.192640
H	-2.389432	2.581403	0.532074
H	-2.615079	4.013385	-0.244652
H	-1.467831	3.133166	-0.660509
N	-5.602302	-3.803549	3.988562
O	-6.129332	-4.452010	3.091448
O	-5.950279	-2.638879	4.148354
O	-4.392739	-3.997696	3.940185
C	-2.523355	-6.583952	0.474801
H	-2.447822	-6.244415	-0.558209
H	-1.529906	-6.354724	0.860306
H	-2.561533	-7.673220	0.463023
C	-3.665289	-5.971657	1.286542
H	-3.643877	-6.291124	2.328455
H	-4.639631	-6.265404	0.896070
N	-3.752685	-4.503265	1.281402
H	-2.773686	-4.327689	1.456997
H	-3.964493	-4.032310	0.413393
H	-4.326931	-4.098598	2.007064
N	-3.845562	0.744524	-0.911339
O	-4.907137	1.357817	-0.908840
O	-3.221332	0.812283	0.141667
O	-3.139424	1.052798	-1.864970
C	1.324873	-1.085185	0.684510
H	1.226505	-0.628086	1.669134
H	1.226745	-2.166716	0.778122
H	2.274875	-0.823662	0.218461
C	0.077684	-0.762043	-0.138860
H	0.322132	-1.243423	-1.085759
H	0.126774	0.321935	-0.242208
N	-1.176686	-1.082951	0.559292
H	-2.009726	-1.180319	-0.003436
H	-0.941732	-1.942016	1.035636
H	-1.422187	-0.503337	1.349151
N	-4.872193	4.618290	-0.295934
O	-4.595351	4.271979	0.847090
O	-6.000678	4.347587	-0.691304
O	-4.000156	4.530699	-1.153229
C	-5.662424	-3.882496	-4.448248
H	-6.123526	-4.787669	-4.843401
H	-5.745153	-2.972890	-5.043119
H	-4.590153	-4.026082	-4.315140
C	-6.441526	-3.573557	-3.169421
H	-6.635828	-4.405059	-2.491961
H	-7.454439	-3.335448	-3.494090
N	-5.875607	-2.475071	-2.371357

H	-5.802476	-1.702848	-3.018213
H	-6.502312	-2.306899	-1.597369
H	-4.913661	-2.613526	-2.096421
N	-5.035122	-1.361524	1.213852
O	-5.601234	-2.222957	0.550130
O	-4.197155	-1.771746	2.009218
O	-5.795763	-0.446413	1.508930
C	-4.575446	4.934143	-4.784510
H	-4.200587	5.940628	-4.970436
H	-5.205426	4.523555	-5.573586
H	-5.261012	5.077265	-3.949276
C	-3.461601	3.971976	-4.370473
H	-2.591379	4.513939	-4.000218
H	-3.099528	3.369894	-5.203840
N	-4.045020	3.078491	-3.357977
H	-3.491201	2.266348	-3.126012
H	-4.202164	3.685490	-2.566169
H	-4.912344	2.682463	-3.691158
N	-0.457017	1.925955	-2.901903
O	-1.348336	2.273396	-3.668658
O	-0.396693	0.707507	-2.780161
O	-0.302605	2.609402	-1.895854

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>10</sub> conformer -4

Atomic Number	Atomic Coordinates (Angstroms)		
	X	Y	Z
C	-9.131288	3.198776	-2.586062
H	-8.940823	4.259539	-2.422953
H	-8.718200	3.065890	-3.585962
H	-10.186089	3.062502	-2.824653
C	-8.526247	2.249712	-1.551149
H	-8.878427	1.234146	-1.731962
H	-8.668311	2.488167	-0.497082
N	-7.060826	2.241409	-1.678870
H	-6.551805	1.584249	-1.105164
H	-6.683467	2.040712	-2.593978
H	-6.676821	3.155454	-1.486098
N	-0.069278	-3.399949	3.122905
O	-1.195534	-3.847672	3.307752
O	0.322423	-3.674664	1.994111
O	0.034889	-2.189812	3.289618
C	-6.894933	2.011345	3.563347
H	-7.930529	2.322502	3.700537
H	-6.303321	1.981761	4.478345
H	-6.315057	2.610787	2.861554
C	-7.055549	0.727782	2.748172
H	-7.753683	0.882137	1.925443
H	-7.553817	0.018304	3.408830
N	-5.857293	-0.005305	2.311586
H	-5.250797	-0.262356	3.077215
H	-6.128508	-0.781682	1.725257
H	-5.235073	0.375135	1.612868
N	-2.841320	-3.462917	-2.054065
O	-3.166134	-2.486336	-2.720294
O	-3.748321	-3.962153	-1.397415
O	-1.713031	-3.540633	-1.580779
C	-8.801309	-6.205322	2.347019
H	-9.160434	-5.885063	3.325060
H	-9.588117	-5.822174	1.697225
H	-8.680802	-7.288510	2.330260
C	-7.416856	-5.582195	2.165788
H	-6.990997	-5.905892	1.216070
H	-6.740296	-6.084045	2.857534
N	-7.375091	-4.112132	2.197571
H	-6.562533	-3.699675	1.761992
H	-8.071789	-3.631112	1.646815
H	-7.397749	-3.755676	3.142307
N	-3.053417	1.534166	2.768302
O	-4.082575	2.189133	2.646115
O	-3.066129	0.477375	3.389678
O	-2.306303	1.615056	1.799616
C	-2.655836	-3.996048	6.366634
H	-3.545328	-4.395409	5.879382
H	-1.853778	-4.608313	5.954401
H	-2.623869	-3.993578	7.456162
C	-2.598268	-2.523738	5.958184
H	-1.598724	-2.090549	5.995052
H	-3.174136	-1.790285	6.522561
N	-2.982471	-2.518722	4.538253
H	-3.933810	-2.853647	4.484586
H	-3.149060	-1.580049	4.204724
H	-2.346370	-3.093994	4.004833
N	-5.591143	1.535408	-4.904079
O	-5.784049	2.495091	-5.642234
O	-4.402029	1.282772	-4.745148
O	-6.287571	1.399243	-3.904317
C	-0.476875	-1.565936	-4.645438

H	-0.797432	-2.561578	-4.338776
H	0.250447	-1.846803	-5.407159
H	0.056093	-1.050546	-3.846427
C	-1.663833	-0.743921	-5.148690
H	-2.220923	-1.304957	-5.899015
H	-1.223098	0.124128	-5.638938
N	-2.521068	-0.269823	-4.051320
H	-3.300901	0.287614	-4.369480
H	-2.799536	-1.050230	-3.473807
H	-1.967747	0.404236	-3.541829
N	-8.368999	-1.471764	0.357612
O	-7.957155	-2.528944	-0.106966
O	-7.873466	-0.447576	-0.099072
O	-8.572902	-1.483176	1.566483
C	-1.291790	4.662050	1.874016
H	-0.320740	4.173342	1.794484
H	-1.049995	5.642934	2.283285
H	-1.936682	4.201353	2.622329
C	-2.049974	4.783059	0.551762
H	-1.489657	5.376061	-0.171075
H	-2.986687	5.316264	0.714125
N	-2.341650	3.466754	-0.036545
H	-2.738247	2.832235	0.641834
H	-3.112130	3.409894	-0.687106
H	-1.566924	3.128655	-0.589345
N	-6.154514	-2.329194	4.718288
O	-5.402709	-1.408848	4.416911
O	-5.517700	-3.376832	4.718413
O	-7.251474	-2.341456	4.170926
C	-0.794894	-7.006516	0.362194
H	-1.137744	-6.937470	-0.670175
H	0.214132	-6.675608	0.608091
H	-0.942079	-8.062655	0.588043
C	-1.870976	-6.168625	1.053446
H	-1.858996	-6.368555	2.124886
H	-2.830120	-6.576712	0.734687
N	-1.740752	-4.750523	0.684841
H	-2.420925	-4.237063	1.226897
H	-0.868442	-4.352674	1.002475
H	-1.943787	-4.579095	-0.289576
N	-4.129202	0.776470	-0.470927
O	-3.821207	-0.409538	-0.430954
O	-3.516667	1.395348	-1.333983
O	-5.306140	1.030629	-0.240067
C	0.802259	-0.036685	0.706887
H	0.650619	0.817573	1.366696
H	1.460366	-0.741138	1.215553
H	1.298799	0.367941	-0.175057
C	-0.560986	-0.608659	0.316692
H	-0.351760	-1.501912	-0.271885
H	-1.087491	0.086194	-0.337581
N	-1.455385	-0.813029	1.466527
H	-1.737335	0.076880	1.852100
H	-2.270724	-1.284238	1.101446
H	-0.956667	-1.400649	2.119278
N	-5.163540	5.042208	-1.688483
O	-4.355317	5.680249	-2.353880
O	-4.729631	4.141778	-0.978535
O	-6.220671	4.704053	-2.209252
C	-7.043849	-2.789110	-3.432523
H	-7.525083	-3.465366	-2.725987
H	-7.829868	-2.548650	-4.148382
H	-6.427079	-3.472936	-4.015685
C	-6.249314	-1.632540	-2.825152
H	-7.002320	-0.924744	-2.478588
H	-5.491745	-1.108570	-3.407943
N	-5.603252	-2.049345	-1.571071

H	-4.820951	-2.684358	-1.501329
H	-5.125005	-1.257859	-1.164956
H	-6.287819	-2.370155	-0.901333
N	-4.399440	-3.229316	1.768575
O	-5.334791	-2.628268	1.251919
O	-4.437935	-4.452402	1.693382
O	-3.285786	-2.722274	1.692683
C	-2.272225	2.863248	-6.243908
H	-1.664667	3.085346	-7.121202
H	-1.617877	2.602561	-5.412060
H	-3.049395	2.150354	-6.519390
C	-2.937591	4.088190	-5.615700
H	-3.680398	4.511785	-6.291648
H	-2.292685	4.961967	-5.522378
N	-3.626090	3.863913	-4.335267
H	-2.924037	3.564068	-3.673969
H	-3.938709	4.775688	-4.033545
H	-4.483233	3.347946	-4.473777
N	-0.566565	2.545310	-2.709626
O	-0.531712	2.295612	-1.509829
O	-1.135276	3.595422	-2.986950
O	-0.823634	1.484106	-3.267153

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>10</sub> conformer -5

Atomic Number	Atomic Coordinates (Angstroms)		
	X	Y	Z
C	-8.646476	1.668037	-4.158894
H	-7.995335	1.983997	-4.973931
H	-8.501272	0.600708	-3.992086
H	-9.685353	1.849860	-4.434170
C	-8.431513	2.499240	-2.893693
H	-9.322323	2.293042	-2.300362
H	-8.346398	3.554709	-3.152227
N	-7.225730	2.045054	-2.184015
H	-6.847080	2.726801	-1.542187
H	-7.402896	1.181683	-1.690759
H	-6.400995	2.118098	-2.762442
N	-0.838619	-4.280910	2.376436
O	-1.857010	-4.514441	3.017856
O	-0.602462	-3.078883	2.425810
O	-0.785408	-4.843098	1.288232
C	-6.274598	2.498398	3.308821
H	-7.281559	2.913648	3.267609
H	-6.215171	2.127881	4.332191
H	-5.533317	3.293028	3.224163
C	-6.094820	1.395256	2.265462
H	-6.080547	1.820092	1.261764
H	-6.995228	0.825935	2.496197
N	-4.865025	0.656570	2.590715
H	-5.049021	0.195725	3.470413
H	-4.688249	-0.009962	1.852755
H	-4.088810	1.298249	2.514299
N	-3.013468	-3.467134	-1.982929
O	-4.132215	-3.848301	-1.657058
O	-2.961322	-2.338270	-2.458349
O	-2.062623	-3.690799	-1.242021
C	-9.004317	-4.884222	2.924161
H	-8.069481	-5.324114	2.576775
H	-8.733377	-4.599142	3.940734
H	-9.852240	-5.568892	2.905365
C	-9.127852	-3.563168	2.164295
H	-9.596788	-2.839527	2.831036
H	-9.638423	-3.686895	1.209251
N	-7.881329	-2.807834	1.965567
H	-7.922219	-2.093908	1.252308
H	-7.612340	-2.320771	2.808487
H	-7.152730	-3.485706	1.793134
N	-1.578039	0.858356	3.068379
O	-2.386189	1.741044	2.802236
O	-1.999562	-0.045959	3.780845
O	-0.815126	0.610866	2.141131
C	-2.616017	-1.923935	6.892514
H	-3.666226	-2.017186	7.169036
H	-2.062015	-2.239187	7.776708
H	-2.418557	-0.868897	6.702762
C	-2.212810	-2.786637	5.696266
H	-2.420234	-3.820251	5.973245
H	-1.123990	-2.748636	5.662718
N	-2.908214	-2.465580	4.440409
H	-3.894442	-2.379850	4.640671
H	-2.592706	-1.570613	4.094591
H	-2.702173	-3.092455	3.675769
N	-5.047396	1.771028	-4.448302
O	-5.522477	2.761466	-3.903870
O	-3.932795	1.854883	-4.951997
O	-5.495340	0.662319	-4.177771
C	-2.499182	-1.317666	-5.559641

H	-3.141861	-0.638356	-6.119643
H	-1.879513	-1.905431	-6.236873
H	-3.054697	-2.142845	-5.114015
C	-1.746360	-0.466539	-4.536566
H	-1.208763	0.402618	-4.915582
H	-1.050220	-1.202419	-4.134111
N	-2.552092	0.048312	-3.418726
H	-1.944330	0.532968	-2.773875
H	-3.266503	0.712130	-3.681523
H	-3.016215	-0.703065	-2.928702
N	-8.728250	-1.078359	-0.547136
O	-8.272082	-2.199047	-0.744738
O	-8.801496	-0.792559	0.642834
O	-8.287271	-0.168276	-1.240217
C	0.498252	3.546402	0.718163
H	0.900674	2.939681	1.529364
H	0.916707	3.324733	-0.263600
H	0.867625	4.501351	1.091976
C	-1.016792	3.750245	0.748662
H	-1.328003	4.569711	0.100803
H	-1.397138	3.894932	1.759851
N	-1.651856	2.539498	0.205866
H	-1.303512	2.275497	-0.704661
H	-1.536100	1.769718	0.849403
H	-2.652709	2.668879	0.246544
N	-6.021514	-1.793914	4.724148
O	-7.062025	-1.519076	4.136886
O	-5.084550	-1.027062	4.531498
O	-5.731421	-2.966930	4.931404
C	-3.688094	-7.595694	1.347618
H	-2.925841	-7.447352	2.112513
H	-4.666105	-7.435266	1.801335
H	-3.613087	-8.653535	1.095734
C	-3.389166	-6.600159	0.226282
H	-4.217658	-6.772334	-0.460781
H	-2.565181	-6.960674	-0.389491
N	-3.198037	-5.213743	0.679230
H	-3.955751	-4.861133	1.246359
H	-2.271268	-5.169901	1.078326
H	-3.091769	-4.623958	-0.133765
N	-4.089969	0.868799	-0.929157
O	-4.949584	0.044891	-1.221246
O	-3.173174	0.365658	-0.289304
O	-3.896226	1.778507	-1.727887
C	0.694276	-2.533267	-0.690627
H	1.236685	-2.925757	0.169515
H	0.059886	-3.329165	-1.080751
H	1.376935	-2.252648	-1.492706
C	-0.045568	-1.272104	-0.243480
H	-0.363793	-0.709796	-1.121342
H	0.493087	-0.527281	0.342343
N	-1.281326	-1.613740	0.477649
H	-1.770311	-2.291326	-0.089688
H	-1.058425	-2.012494	1.378432
H	-1.892124	-0.833761	0.674264
N	-4.858169	3.918283	0.070364
O	-4.214446	3.321380	0.926169
O	-5.697487	3.269155	-0.543846
O	-4.380900	4.744398	-0.699587
C	-6.730830	-3.619323	-3.885276
H	-7.747294	-3.888870	-3.598490
H	-6.578644	-3.920005	-4.921871
H	-5.945461	-4.249405	-3.467793
C	-6.417415	-2.145736	-3.624215
H	-7.255983	-1.517547	-3.924685
H	-5.620455	-1.794219	-4.279494
N	-6.129882	-1.996689	-2.189311

H	-5.399547	-2.675004	-2.026214
H	-5.865710	-1.059783	-1.920013
H	-6.858635	-2.198507	-1.519767
N	-4.794802	-2.660612	1.725281
O	-5.535474	-1.754885	1.359030
O	-3.595468	-2.420552	1.809213
O	-5.197410	-3.818576	1.715195
C	-2.787245	6.592955	-3.238270
H	-2.781023	7.381260	-3.991022
H	-3.378596	6.740766	-2.334635
H	-1.794657	6.371637	-2.845984
C	-3.271981	5.388661	-4.046075
H	-2.716742	5.173908	-4.959141
H	-4.331819	5.537459	-4.252717
N	-3.235595	4.073291	-3.388566
H	-2.284714	3.794630	-3.192928
H	-3.720394	3.954843	-2.510477
H	-3.634164	3.412204	-4.039878
N	-0.482441	2.695056	-2.653247
O	-0.890326	2.431407	-3.778945
O	-0.424107	1.704635	-1.933012
O	-1.061865	3.696516	-2.247757

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>10</sub> conformer -6

Atomic Number	Atomic Coordinates (Angstroms)		
	X	Y	Z
C	-8.859009	2.492121	-2.664868
H	-9.216783	1.803911	-1.899057
H	-8.442490	3.441870	-2.329327
H	-9.596436	2.796133	-3.407754
C	-7.927645	1.677392	-3.562987
H	-7.620858	2.308792	-4.396843
H	-8.616693	0.898411	-3.889332
N	-6.851865	1.143645	-2.713486
H	-6.174435	0.629024	-3.257871
H	-6.538251	1.832960	-2.045211
H	-7.239723	0.489158	-2.049171
N	-6.692381	-5.431985	0.278202
O	-6.831140	-5.396739	1.495815
O	-5.578347	-5.737395	-0.132562
O	-7.242431	-4.491122	-0.283313
C	-6.487241	1.448505	3.624607
H	-7.460623	1.087770	3.292196
H	-5.941613	0.602124	4.041776
H	-6.608461	2.043401	4.529871
C	-5.729857	2.269687	2.580638
H	-4.824797	2.760788	2.938108
H	-6.383812	3.079407	2.256914
N	-5.426458	1.445116	1.400862
H	-4.979496	2.025435	0.705480
H	-4.742613	0.722405	1.574488
H	-6.296982	1.057264	1.066409
N	-2.393645	-3.371611	-1.324015
O	-1.936706	-2.237631	-1.415520
O	-2.927287	-3.695781	-0.268924
O	-2.899358	-3.818883	-2.347381
C	-8.985946	-4.208935	3.667115
H	-10.070273	-4.318755	3.650593
H	-8.510636	-5.162370	3.436592
H	-8.685523	-4.023741	4.698401
C	-8.659671	-3.119991	2.644575
H	-9.082799	-2.193488	3.032718
H	-9.268817	-3.317749	1.762570
N	-7.208372	-2.974254	2.453969
H	-6.870756	-3.856252	2.095926
H	-6.991700	-2.207364	1.833458
H	-6.848952	-2.762401	3.373771
N	-1.476246	1.588755	3.266729
O	-0.865492	0.571262	2.958890
O	-2.180023	1.562186	4.270256
O	-1.447186	2.494097	2.440540
C	-2.034847	-1.389350	7.262886
H	-3.034407	-1.707183	7.559471
H	-1.330139	-1.966868	7.861184
H	-1.961816	-0.366920	7.633565
C	-1.717146	-1.589331	5.780686
H	-1.567762	-2.645390	5.555915
H	-0.825304	-1.020048	5.518703
N	-2.775842	-1.057339	4.908913
H	-3.637011	-1.580119	4.980935
H	-2.889229	-0.065676	5.063342
H	-2.667949	-1.140766	3.908163
N	-4.781085	0.711926	-5.395177
O	-3.594242	0.723059	-5.702349
O	-5.007804	-0.101643	-4.506482
O	-5.338469	1.767033	-5.113841
C	-1.805237	-2.754972	-5.371932

H	-2.843228	-2.776341	-5.703922
H	-1.217265	-3.073255	-6.232795
H	-1.552446	-3.511483	-4.629040
C	-1.429051	-1.398371	-4.775308
H	-1.419843	-0.590836	-5.507361
H	-0.391598	-1.462117	-4.447091
N	-2.438911	-1.101422	-3.747765
H	-2.403281	-0.225229	-3.246651
H	-3.281285	-0.981807	-4.292006
H	-2.428656	-1.785070	-3.004380
N	-7.757005	-0.222847	0.071597
O	-7.288349	-0.700315	1.098954
O	-7.795276	1.001296	0.016067
O	-7.543268	-0.769357	-1.004842
C	-0.611600	5.749094	-0.611746
H	-0.908145	5.322248	-1.569851
H	-1.302327	6.585754	-0.506881
H	0.402246	6.148261	-0.641474
C	-0.809697	4.701474	0.484196
H	-1.225955	5.209684	1.353996
H	0.157591	4.214344	0.607308
N	-1.910328	3.755657	0.243600
H	-2.842693	4.143646	0.227479
H	-1.862511	3.377800	-0.691834
H	-2.008478	3.134407	1.033862
N	-5.568540	-2.730863	5.187151
O	-5.276968	-3.727694	4.535700
O	-6.503978	-2.019549	4.837776
O	-4.755310	-2.240493	5.962567
C	-2.516207	-6.773097	1.711988
H	-3.257785	-7.166989	1.016998
H	-1.667012	-6.442992	1.113659
H	-2.257501	-7.686630	2.247365
C	-3.082738	-5.706713	2.649917
H	-2.302629	-5.038062	3.013833
H	-3.699088	-6.054711	3.478839
N	-3.920712	-4.835624	1.811559
H	-3.269346	-4.494522	1.119121
H	-4.683012	-5.229290	1.278618
H	-4.297272	-4.041592	2.309371
N	-3.877001	0.921491	-1.257831
O	-3.369984	1.001402	-2.371215
O	-3.145528	1.151366	-0.301179
O	-4.645683	-0.008459	-1.040124
C	1.243035	-1.395941	1.506396
H	2.112485	-1.964287	1.176032
H	1.602136	-0.463429	1.941790
H	0.587693	-1.860385	2.243227
C	0.458200	-1.134441	0.220514
H	0.366027	-2.067969	-0.334579
H	0.987065	-0.401842	-0.389158
N	-0.782740	-0.414679	0.545865
H	-0.600360	0.384677	-0.043937
H	-1.623500	-0.732640	0.085297
H	-0.867313	-0.072523	1.492373
N	-4.819316	3.886934	-0.922840
O	-3.829554	4.034306	-1.631169
O	-4.478934	3.844215	0.254186
O	-5.674553	3.099591	-1.312375
C	-6.339999	-3.825464	-3.553270
H	-7.140043	-4.220538	-2.927213
H	-6.734493	-3.533656	-4.526575
H	-5.575028	-4.601887	-3.562570
C	-5.803236	-2.590269	-2.829379
H	-6.649501	-1.920468	-2.982033
H	-4.908834	-2.158896	-3.278893
N	-5.441665	-2.787571	-1.417225

H	-4.660621	-3.427642	-1.397737
H	-5.214433	-1.852161	-1.111488
H	-6.277074	-3.198869	-1.026040
N	-3.722595	-1.466301	1.892503
O	-2.944773	-2.222796	2.463279
O	-4.716658	-2.058908	1.487867
O	-3.807515	-0.374703	2.444117
C	-3.679364	4.778922	-5.655073
H	-3.412132	5.321802	-6.561698
H	-4.605900	4.279596	-5.938458
H	-4.173069	5.360174	-4.876291
C	-2.715053	3.706456	-5.147371
H	-1.723610	4.020825	-4.821316
H	-2.495076	3.004826	-5.951999
N	-3.164407	3.031187	-3.920206
H	-3.416444	3.579033	-3.109995
H	-3.981076	2.476216	-4.132710
H	-2.385775	2.494889	-3.564935
N	-0.337081	2.091842	-2.250354
O	-0.530248	1.195507	-3.064201
O	-1.012263	3.114312	-2.292302
O	0.133824	1.787102	-1.160190

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>10</sub> conformer -7

Atomic Number	Atomic Coordinates (Angstroms)		
	X	Y	Z
C	-8.202564	0.018112	-2.730205
H	-8.662508	0.715510	-3.430339
H	-7.120182	0.062074	-2.851110
H	-8.566179	-0.980413	-2.972757
C	-8.370094	0.348329	-1.246719
H	-9.373536	0.207753	-0.844921
H	-8.204754	1.410400	-1.065696
N	-7.536114	-0.521997	-0.403599
H	-7.812624	-0.453097	0.565367
H	-7.546850	-1.478650	-0.727329
H	-6.578101	-0.227090	-0.527453
N	-7.358414	-3.729040	-2.156129
O	-7.398348	-3.282042	-3.297038
O	-7.368645	-2.947542	-1.211548
O	-6.650570	-4.728164	-2.094622
C	-8.907396	4.570305	2.043757
H	-9.342181	3.797867	1.409406
H	-9.697797	5.070561	2.603319
H	-8.549658	5.237038	1.259162
C	-7.709426	4.037144	2.830172
H	-8.193078	3.619243	3.713087
H	-6.964960	4.755468	3.173513
N	-7.118374	2.855375	2.183706
H	-6.570922	3.175934	1.397806
H	-6.407419	2.331686	2.674005
H	-7.833977	2.193470	1.919330
N	-2.279314	-3.957053	-2.493428
O	-1.826816	-3.975908	-3.632712
O	-3.487986	-4.093688	-2.340068
O	-1.669605	-3.133238	-1.820628
C	-7.284196	-2.751180	5.004858
H	-7.758496	-2.961945	5.963355
H	-7.995184	-2.979502	4.210839
H	-6.531611	-3.531912	4.894528
C	-6.643755	-1.367491	4.890486
H	-5.709600	-1.400684	5.451157
H	-7.264170	-0.504413	5.131904
N	-6.271624	-1.286341	3.469650
H	-7.004581	-1.219790	2.777954
H	-5.889235	-0.379505	3.242655
H	-5.594326	-1.928061	3.082916
N	0.662580	0.760756	2.333771
O	0.421287	0.878345	1.137516
O	0.606999	-0.383399	2.770685
O	0.166371	1.656772	3.007574
C	-0.788207	1.095441	6.750847
H	-0.779545	0.748435	7.784100
H	0.244220	1.187850	6.413720
H	-1.338256	2.036442	6.758862
C	-1.512053	-0.081829	6.096688
H	-2.396819	0.159602	6.685754
H	-1.126105	-1.038135	6.449709
N	-1.747225	0.035557	4.649361
H	-2.368574	-0.736271	4.453638
H	-2.392566	0.767177	4.387892
H	-0.896700	-0.052764	4.111860
N	-3.927774	-0.819100	-5.226430
O	-3.040784	-0.054018	-4.864524
O	-3.413381	-1.920897	-5.383016
O	-5.032615	-0.745650	-4.700116
C	-0.086733	-1.504809	-6.308140

H	0.686364	-1.024715	-6.908083
H	0.042648	-2.578655	-6.443102
H	-1.002785	-1.195272	-6.811265
C	0.132699	-1.143567	-4.838720
H	0.465421	-0.115739	-4.693929
H	0.838075	-1.828940	-4.368817
N	-1.002404	-1.382750	-3.934190
H	-1.169575	-2.377384	-3.880743
H	-0.972954	-0.885680	-3.055467
H	-1.833537	-0.926550	-4.282327
N	-8.930756	0.213161	2.220611
O	-8.609441	0.739030	3.280467
O	-8.878525	1.036993	1.314163
O	-8.395205	-0.852661	1.937265
C	-2.076279	4.764074	0.179640
H	-3.101235	5.121553	0.278497
H	-1.501547	5.650146	-0.089915
H	-1.935916	4.260813	-0.776983
C	-1.748293	3.945897	1.428981
H	-2.390636	4.383907	2.192946
H	-0.695739	4.061255	1.687673
N	-2.104382	2.523266	1.314253
H	-1.649776	2.121641	0.506707
H	-2.002174	2.049690	2.200469
H	-3.093404	2.554597	1.111881
N	-4.555634	1.524414	4.277580
O	-5.638361	1.511873	3.702582
O	-4.533260	0.784771	5.255078
O	-3.506077	1.685689	3.664802
C	-4.146425	-5.762023	1.011757
H	-3.402024	-5.566594	0.239892
H	-3.665057	-5.487940	1.950513
H	-4.576109	-6.760138	1.096828
C	-5.418293	-4.953409	0.754201
H	-6.088402	-4.940567	1.613788
H	-6.003949	-5.523015	0.032636
N	-5.212944	-3.587282	0.248861
H	-4.829454	-2.908215	0.890660
H	-4.729466	-3.638759	-0.636406
H	-6.168758	-3.421395	-0.032212
N	-4.465814	-0.087027	0.397571
O	-5.292830	-0.743323	1.020785
O	-4.594628	0.112974	-0.805127
O	-3.339317	-0.092239	0.881361
C	1.237422	-2.575041	0.420210
H	1.734260	-3.511573	0.673507
H	1.221991	-2.485820	-0.666023
H	1.631612	-1.630420	0.794918
C	-0.228610	-2.564409	0.854353
H	-0.093368	-2.566873	1.935927
H	-0.730449	-3.438148	0.438617
N	-0.948717	-1.389040	0.340742
H	-1.802764	-1.163145	0.830308
H	-0.360450	-0.620421	0.629302
H	-1.128118	-1.368596	-0.652986
N	-5.434177	3.486739	-0.149159
O	-4.692183	3.313294	0.811277
O	-5.350009	2.722571	-1.104166
O	-6.576125	3.903019	0.011285
C	-5.381540	-4.700242	-6.833117
H	-5.387372	-3.651429	-7.129865
H	-5.171038	-5.468942	-7.576683
H	-6.459475	-4.551646	-6.769275
C	-4.756032	-4.880800	-5.449651
H	-3.674537	-4.860841	-5.584077
H	-5.104980	-5.781824	-4.945181
N	-5.053594	-3.746655	-4.561387

H	-4.515711	-3.788919	-3.707575
H	-4.685948	-2.869027	-4.900070
H	-6.020134	-3.603570	-4.305600
N	-3.342988	-2.827629	3.392600
O	-2.605240	-2.438413	2.494094
O	-3.273903	-2.133496	4.400808
O	-4.459844	-3.073446	2.950692
C	-5.210580	2.619647	-4.698543
H	-5.563391	3.189562	-5.558091
H	-5.423620	1.560247	-4.841321
H	-5.940630	2.998923	-3.983505
C	-3.772183	2.895307	-4.259376
H	-3.659965	3.942356	-3.977959
H	-3.089999	2.666533	-5.078148
N	-3.358738	2.048755	-3.129662
H	-3.469453	1.060034	-3.303657
H	-2.392360	2.131748	-2.848016
H	-3.873072	2.380422	-2.326196
N	-0.476905	1.349330	-2.025949
O	-1.141064	1.983512	-1.213679
O	-0.432161	0.140017	-1.829392
O	-0.740727	1.733582	-3.159892

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>10</sub> conformer -8

Atomic Number	Atomic Coordinates (Angstroms)		
	X	Y	Z
C	-8.942845	-2.031665	-4.064188
H	-10.026009	-1.931068	-3.995367
H	-8.718467	-1.390392	-4.916552
H	-8.712004	-3.093841	-4.145392
C	-8.451239	-1.378000	-2.772334
H	-8.827618	-1.913609	-1.900805
H	-8.758113	-0.336945	-2.671677
N	-7.010149	-1.506054	-2.506436
H	-6.793182	-1.262659	-1.550515
H	-6.606864	-2.393804	-2.769801
H	-6.430040	-0.898841	-3.067566
N	-6.131541	-4.757265	-2.364121
O	-5.085635	-5.383875	-2.235602
O	-6.171635	-3.904126	-3.243679
O	-6.778045	-4.559349	-1.341410
C	-6.276502	5.683356	-0.064942
H	-7.301070	5.321076	-0.149292
H	-6.417241	6.747166	0.126373
H	-5.834415	5.506560	-1.045453
C	-5.607834	5.197339	1.221337
H	-6.255237	5.380130	2.078982
H	-4.685500	5.774776	1.158355
N	-5.278796	3.763819	1.196952
H	-6.041883	3.320026	0.706190
H	-4.423415	3.733081	0.660783
H	-5.140040	3.284039	2.074824
N	-0.670039	-2.947564	-2.636951
O	-1.019794	-2.164724	-3.513256
O	-1.543823	-3.746309	-2.318230
O	-0.222939	-2.384593	-1.643854
C	-7.385114	1.769545	3.419283
H	-8.365289	1.977221	2.990066
H	-7.633352	1.827074	4.479080
H	-6.657082	2.567204	3.271600
C	-6.854910	0.344245	3.260397
H	-7.572875	-0.402812	3.598822
H	-6.001917	0.169338	3.916073
N	-6.365816	-0.082188	1.940253
H	-5.488295	0.335746	1.665682
H	-6.243431	-1.074410	2.083836
H	-7.119440	-0.027130	1.270090
N	-0.398146	-0.846103	2.291654
O	-0.411775	-0.793216	1.066871
O	-0.745647	0.152246	2.912637
O	-0.707614	-1.927427	2.779551
C	-3.393902	-1.247990	6.809677
H	-3.883432	-0.340186	7.162315
H	-4.144083	-2.008565	6.593218
H	-3.115161	-1.655060	7.781633
C	-2.196986	-1.189995	5.860009
H	-1.753219	-2.185520	5.850120
H	-1.641646	-0.325476	6.223747
N	-2.697062	-0.754229	4.547045
H	-3.052393	0.190513	4.510961
H	-1.928996	-0.903346	3.908345
H	-3.510509	-1.294389	4.288912
N	-4.566078	-0.254195	-4.592212
O	-3.919428	-1.115366	-5.178134
O	-5.753089	-0.415758	-4.331483
O	-4.063956	0.752280	-4.104404
C	0.285959	1.125725	-1.897716

H	0.991436	1.954011	-1.963632
H	-0.200294	1.232970	-0.928099
H	0.868586	0.209011	-1.988708
C	-0.804183	1.124581	-2.969831
H	-0.457542	0.919547	-3.982699
H	-1.416269	2.020899	-2.869504
N	-1.844569	0.164897	-2.569274
H	-2.731668	0.239653	-3.046312
H	-1.665224	-0.776149	-2.249325
H	-2.061158	0.584099	-1.676269
N	-7.907258	1.324509	-0.472672
O	-7.508110	1.270192	-1.630604
O	-8.108828	0.243520	0.069460
O	-7.584447	2.357027	0.104196
C	0.534946	4.151110	2.086729
H	1.420062	4.412677	2.666602
H	0.634109	4.563732	1.082732
H	-0.282100	4.631749	2.624801
C	0.221286	2.654878	2.059375
H	0.296425	2.295194	3.085573
H	0.691892	2.046557	1.286992
N	-1.237964	2.606597	1.880211
H	-1.491916	1.721322	1.465607
H	-1.807330	2.594848	2.714347
H	-1.485136	3.290604	1.179397
N	-3.670122	2.542837	4.359696
O	-2.444775	2.502848	4.361052
O	-4.151956	1.430980	4.545935
O	-4.169810	3.288889	3.524955
C	-7.687371	-6.705326	1.753476
H	-8.213365	-6.218170	2.574517
H	-8.299170	-6.643170	0.853509
H	-7.507525	-7.741530	2.039899
C	-6.290758	-6.117581	1.548855
H	-5.859627	-6.551899	0.646860
H	-5.737187	-6.296230	2.470671
N	-6.107974	-4.685411	1.267220
H	-6.513430	-4.011768	1.901185
H	-5.226556	-4.279951	0.986496
H	-6.639877	-4.510807	0.426570
N	-4.636190	-2.107768	-0.336207
O	-4.339434	-1.740793	-1.467729
O	-3.905772	-2.898850	0.250099
O	-5.829156	-2.137665	-0.055111
C	1.112795	-4.082907	1.162221
H	1.413776	-3.405458	0.363113
H	1.186646	-3.395969	2.005288
H	1.760056	-4.959866	1.152459
C	-0.349461	-4.414084	0.862271
H	-0.696302	-4.784125	1.827088
H	-0.468318	-5.049443	-0.015392
N	-1.211440	-3.244824	0.630612
H	-1.066594	-2.518811	1.317652
H	-0.861399	-2.944370	-0.267886
H	-2.208787	-3.301058	0.481489
N	-2.648842	4.391227	-1.059069
O	-2.502079	3.951942	0.076081
O	-3.286042	5.428736	-1.202690
O	-3.023015	3.522964	-1.839576
C	-2.606007	-4.486972	-6.034578
H	-1.647419	-4.085797	-5.705538
H	-2.354364	-5.428821	-6.522117
H	-2.914369	-3.870715	-6.879114
C	-3.483887	-4.585011	-4.786557
H	-3.191472	-5.454760	-4.198229
H	-4.488418	-4.822920	-5.136437
N	-3.645311	-3.337397	-4.024164

H	-3.808169	-2.475489	-4.524853
H	-4.486755	-3.473497	-3.482362
H	-2.873444	-3.149006	-3.400601
N	-5.691954	-2.905572	3.798469
O	-6.503587	-2.582382	2.938307
O	-5.478991	-4.089915	4.033109
O	-4.780959	-2.157214	4.134806
C	-7.021837	4.154530	-3.585641
H	-7.039250	5.002721	-4.270016
H	-7.537954	3.382266	-4.156020
H	-7.617223	4.410668	-2.709280
C	-5.572921	3.885735	-3.177924
H	-5.097008	4.732521	-2.683394
H	-4.996940	3.827476	-4.101477
N	-5.412564	2.582576	-2.514672
H	-5.307615	1.807772	-3.154019
H	-4.515866	2.635350	-2.052886
H	-6.132463	2.450791	-1.818627
N	-3.495316	0.985882	0.471260
O	-2.582155	0.913006	-0.343543
O	-3.225831	1.110896	1.660724
O	-4.655567	1.158732	0.114868

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>10</sub> conformer -9

Atomic Number	Atomic Coordinates (Angstroms)		
	X	Y	Z
C	-9.431042	-0.141205	-2.877336
H	-10.200862	-0.737366	-3.367304
H	-9.523337	0.737267	-3.515983
H	-8.466984	-0.639384	-2.979852
C	-9.704062	0.052822	-1.385473
H	-9.392954	-0.883803	-0.922822
H	-10.716888	0.386128	-1.159224
N	-8.709350	0.985120	-0.833016
H	-7.729889	0.786122	-0.978467
H	-8.574875	1.848397	-1.339741
H	-8.913449	1.137203	0.144386
N	-5.137956	-0.578816	-3.534587
O	-4.280762	-1.352634	-3.122882
O	-5.963695	-0.969640	-4.352198
O	-5.385691	0.456423	-2.926324
C	-7.601786	5.866853	1.790323
H	-8.370973	5.755202	2.554513
H	-7.447063	6.927071	1.990571
H	-8.037932	5.825342	0.792247
C	-6.418960	4.953446	2.113508
H	-6.352407	4.966360	3.201398
H	-5.455120	5.266549	1.712160
N	-6.830188	3.559756	1.884685
H	-6.054090	2.936933	2.057495
H	-7.653773	3.284703	2.400586
H	-7.162793	3.349665	0.954450
N	-1.445256	-4.029013	-1.272662
O	-2.135615	-3.190839	-1.841823
O	-2.001120	-4.438077	-0.259371
O	-0.226466	-3.917055	-1.201313
C	-8.200407	-2.323276	3.896590
H	-9.101590	-1.960976	3.401910
H	-7.935017	-3.160782	3.251413
H	-8.478025	-2.595211	4.914961
C	-7.074241	-1.291916	3.973329
H	-6.165256	-1.721325	4.394582
H	-7.336194	-0.462736	4.630551
N	-6.707419	-0.719262	2.668971
H	-7.535224	-0.354670	2.219626
H	-6.092447	0.080996	2.707652
H	-6.148379	-1.371138	2.137341
N	0.802022	-4.663697	3.188746
O	-0.195150	-4.849406	3.877393
O	1.278148	-3.534311	3.159281
O	0.746573	-5.146277	2.063082
C	-0.407852	-0.822123	4.055281
H	-0.707782	0.057721	4.624505
H	0.343441	-1.438759	4.548655
H	0.064803	-0.413826	3.161977
C	-1.606188	-1.713821	3.728622
H	-2.097069	-2.153851	4.596672
H	-1.117178	-2.545044	3.220647
N	-2.595480	-1.200125	2.768800
H	-2.228010	-0.729060	1.954453
H	-3.217367	-1.972395	2.576561
H	-3.104448	-0.410499	3.139669
N	-2.394235	2.523622	-3.654714
O	-3.001494	3.585168	-3.568501
O	-1.815323	2.378651	-4.725657
O	-2.283501	1.771128	-2.693170
C	3.321692	-1.892583	0.972765

H	2.942487	-0.871169	1.004651
H	3.421487	-2.221427	2.007175
H	4.357100	-1.985689	0.645102
C	2.502443	-2.745403	0.003555
H	3.068749	-3.658536	-0.179711
H	2.428830	-2.151504	-0.907470
N	1.160572	-2.876981	0.591698
H	0.585239	-3.206071	-0.170399
H	1.165633	-3.538804	1.354630
H	0.745555	-2.013430	0.911292
N	-9.179933	1.563849	2.261416
O	-9.330000	2.384039	1.362614
O	-8.462326	1.875871	3.205216
O	-9.014197	0.416479	1.862480
C	-3.595885	4.429885	-0.589855
H	-3.210138	5.428684	-0.794061
H	-4.316681	4.044376	-1.310922
H	-4.106801	4.632278	0.351476
C	-2.384247	3.524902	-0.364508
H	-1.752794	4.020297	0.373022
H	-1.731573	3.603931	-1.233916
N	-2.635497	2.149003	0.091140
H	-3.072326	1.904801	0.968435
H	-3.141163	1.578710	-0.571558
H	-1.709034	1.747168	0.108286
N	-3.876616	1.840287	3.037555
O	-4.327368	2.817776	2.450688
O	-2.770022	1.476627	2.655094
O	-4.682755	0.936428	3.227963
C	-6.872850	-3.963502	-0.366982
H	-6.784001	-4.591777	0.519289
H	-7.320584	-3.005661	-0.102074
H	-7.613109	-4.520026	-0.941785
C	-5.637815	-3.721633	-1.235331
H	-5.965038	-3.010387	-1.993720
H	-5.205343	-4.589638	-1.732960
N	-4.599454	-2.870102	-0.634879
H	-5.010278	-1.973715	-0.416214
H	-4.076900	-3.363271	0.074925
H	-3.904818	-2.654004	-1.335510
N	-5.625452	0.241965	-0.238287
O	-4.796544	-0.392893	0.404321
O	-6.059922	1.304902	0.191221
O	-6.503791	-0.578112	-0.481329
C	-2.719384	-7.981234	2.553390
H	-3.762696	-7.712215	2.718403
H	-2.672866	-8.999502	2.167300
H	-2.101960	-7.939732	3.450701
C	-2.169581	-7.003921	1.513959
H	-2.830186	-6.951903	0.648514
H	-1.228551	-7.432914	1.169684
N	-2.090031	-5.643754	2.068449
H	-1.391507	-5.615248	2.797387
H	-1.775065	-5.022641	1.336933
H	-3.019172	-5.319469	2.295688
N	-7.913868	4.016102	-1.749959
O	-7.222903	4.858302	-2.312401
O	-7.630267	3.557206	-0.649023
O	-8.304804	3.105062	-2.471244
C	-0.859018	-1.998319	-5.238253
H	-1.765343	-2.180451	-5.815752
H	0.030218	-2.152276	-5.849529
H	-0.886487	-2.831344	-4.535818
C	-0.755613	-0.741347	-4.373864
H	-0.845653	0.172816	-4.960634
H	0.195387	-0.734555	-3.841273
N	-1.720262	-0.694043	-3.264335

H	-2.613585	-1.131689	-3.439095
H	-1.223641	-1.254410	-2.586502
H	-1.940622	0.161547	-2.774939
N	-4.782796	-3.769640	2.268874
O	-5.216347	-2.669915	1.943737
O	-4.503463	-4.660469	1.474222
O	-3.901082	-3.693767	3.117344
C	-6.148475	3.566610	-6.168077
H	-5.123895	3.889103	-6.353368
H	-6.643555	3.178968	-7.058431
H	-6.695352	4.441409	-5.816290
C	-6.135051	2.425912	-5.150005
H	-5.342346	1.714101	-5.380313
H	-7.099961	1.955585	-4.960692
N	-5.890116	3.000496	-3.818202
H	-5.027392	3.513503	-3.705813
H	-6.689846	3.564872	-3.569178
H	-5.787115	2.189149	-3.225574
N	-0.464650	-0.432037	-0.328392
O	-1.652363	-0.130530	-0.367179
O	-0.112262	-1.039881	-1.333094
O	-0.023336	-0.625294	0.798981

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>10</sub> conformer -10

Atomic Number	X	Atomic Coordinates (Angstroms) Y	Z
C	-9.596499	-0.265152	2.320083
H	-9.992950	0.747858	2.388916
H	-10.275302	-0.897347	2.892495
H	-8.604066	-0.267519	2.770829
C	-9.672572	-0.669535	0.847491
H	-10.670704	-1.012151	0.574643
H	-9.053295	-1.566193	0.871994
N	-8.935868	0.269152	-0.012727
H	-7.999764	0.539744	0.252959
H	-8.970105	-0.189191	-0.912088
H	-9.512614	1.098033	0.007776
N	-8.713050	-0.854027	-3.088190
O	-7.960831	-1.325961	-3.933483
O	-8.929379	0.350625	-3.159544
O	-8.545455	-1.343911	-1.976884
C	-6.303043	6.048991	0.486580
H	-5.667698	6.910747	0.282099
H	-6.531785	5.648196	-0.500913
H	-7.177081	6.547674	0.905475
C	-5.584340	5.126728	1.471840
H	-5.534037	5.715580	2.387713
H	-4.598390	4.814146	1.127898
N	-6.191249	3.804889	1.691489
H	-7.171071	3.578631	1.597381
H	-5.907044	3.320235	0.852180
H	-5.675281	3.293192	2.392947
N	-1.271319	-4.274298	-1.973544
O	-0.793932	-3.325568	-1.361099
O	-2.038188	-4.047710	-2.902871
O	-1.403326	-5.281792	-1.287538
C	-6.770223	-2.050441	4.169134
H	-7.160769	-1.038890	4.280217
H	-7.305835	-2.712653	3.488917
H	-6.853264	-2.660314	5.068722
C	-5.264994	-1.931753	3.928220
H	-4.855078	-2.937012	3.830628
H	-4.797801	-1.570554	4.844389
N	-5.011608	-1.196304	2.679721
H	-5.212808	-0.221208	2.849444
H	-4.038427	-1.138625	2.415732
H	-5.478862	-1.530593	1.849043
N	-1.476664	-2.888107	3.212304
O	-0.284101	-2.603836	3.204528
O	-1.945975	-3.397066	2.200481
O	-2.191191	-2.081893	3.797578
C	-0.549354	0.720625	5.416856
H	-0.674539	-0.225199	5.943968
H	0.062263	1.228323	6.162690
H	-1.471043	1.299647	5.474514
C	0.152964	0.655608	4.060256
H	1.101581	0.125587	4.145712
H	0.509046	1.660936	3.835262
N	-0.639536	0.113519	2.945839
H	-0.153793	0.223204	2.067134
H	-0.740227	-0.891426	2.952697
H	-1.575164	0.487741	2.877583
N	-3.551796	1.353184	-3.701250
O	-2.661104	1.878501	-3.042625
O	-4.732235	1.588809	-3.468611
O	-3.313648	0.397334	-4.431121
C	2.173142	-5.051257	0.509149

H	2.305834	-4.692774	-0.511626
H	2.996746	-4.679883	1.118951
H	2.227973	-6.129776	0.361192
C	0.813134	-4.765459	1.146752
H	0.874682	-4.929153	2.222631
H	0.143674	-5.472187	0.656387
N	0.415292	-3.380667	0.850246
H	-0.310954	-2.977514	1.424820
H	1.116669	-2.656088	0.794090
H	0.013002	-3.384094	-0.076172
N	-5.622653	1.150204	0.121818
O	-5.049234	2.171992	-0.239037
O	-5.884647	0.349515	-0.768874
O	-6.477067	1.224115	0.997940
C	-0.138042	3.857529	-0.355274
H	0.177539	4.785906	0.120778
H	0.722937	3.231139	-0.121927
H	-0.220042	3.992112	-1.433821
C	-1.529421	3.377176	0.058452
H	-2.347080	4.081917	-0.092789
H	-1.436225	3.197561	1.129504
N	-1.940096	2.087792	-0.518327
H	-2.238543	2.154505	-1.480917
H	-1.307475	1.331141	-0.300679
H	-2.819810	1.662825	-0.262189
N	-3.741909	2.229854	3.356950
O	-4.544906	1.341548	3.093919
O	-3.980989	3.394083	3.056140
O	-2.593241	1.811357	3.264759
C	-5.158151	-3.078332	-4.084475
H	-5.217907	-4.021095	-3.540666
H	-5.991094	-2.997257	-4.782854
H	-4.172056	-3.019348	-4.545166
C	-4.920351	-1.953717	-3.076242
H	-5.085071	-0.964489	-3.503318
H	-3.963525	-1.937557	-2.554397
N	-5.964364	-1.994595	-2.040768
H	-6.900802	-2.091850	-2.406451
H	-5.821961	-2.664929	-1.298828
H	-5.985820	-1.192994	-1.426704
N	-3.027493	-0.879120	-0.134005
O	-3.797460	-1.832268	-0.092353
O	-2.367179	-0.563302	-1.117529
O	-2.688674	-0.251227	0.863005
C	-3.942563	-7.188454	0.502048
H	-3.981388	-7.015082	-0.573375
H	-3.626198	-8.187734	0.801134
H	-4.995693	-7.009730	0.719019
C	-3.235253	-6.009416	1.170944
H	-2.150674	-6.117868	1.176165
H	-3.525345	-5.792948	2.199092
N	-3.396825	-4.750143	0.428001
H	-3.039592	-4.698528	-0.515302
H	-4.371515	-4.495157	0.356871
H	-2.931002	-4.054284	0.992704
N	-9.522644	3.469049	0.215929
O	-10.159459	2.614850	-0.390607
O	-8.589813	4.008535	-0.368757
O	-8.950003	3.022465	1.203715
C	0.209172	-0.829871	-5.118069
H	-0.496687	-0.495533	-5.878387
H	1.109804	-0.253634	-5.329999
H	0.453919	-1.873151	-5.317483
C	-0.379971	-0.568333	-3.731581
H	-0.803218	0.434838	-3.782663
H	0.380592	-0.679789	-2.958780
N	-1.508765	-1.482481	-3.499207

H	-2.180053	-1.161999	-4.182407
H	-1.331082	-2.476066	-3.462921
H	-1.872744	-1.242191	-2.588229
N	-6.475126	-3.421867	0.617642
O	-6.021688	-3.831011	1.680690
O	-6.446160	-2.197208	0.667136
O	-5.776180	-3.878666	-0.280069
C	-6.755701	4.341688	-3.528983
H	-6.865460	5.160653	-4.239862
H	-6.798956	4.917745	-2.604653
H	-5.788858	3.890405	-3.751825
C	-7.847381	3.271346	-3.507969
H	-7.984617	2.805576	-4.483840
H	-8.869490	3.582569	-3.292252
N	-7.562599	2.348082	-2.398769
H	-8.199819	1.585747	-2.580141
H	-6.621948	1.980302	-2.395074
H	-7.757646	2.828726	-1.532145
N	1.324420	-0.451312	0.407437
O	1.509632	-0.865158	1.546517
O	1.554163	-1.206963	-0.530266
O	0.331460	0.250146	0.249121

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>20</sub> conformer -1

Atomic Number	Atomic Coordinates (Angstroms)		
	X	Y	Z
C	2.912879	-2.267734	1.420391
H	3.753549	-2.458484	2.087466
H	2.278743	-1.585480	1.986519
H	3.230956	-1.561712	0.653280
C	2.169709	-3.485275	0.869815
H	1.488528	-3.928023	1.596497
H	2.915317	-4.204642	0.531172
N	1.373308	-3.095566	-0.303945
H	0.882854	-3.910968	-0.642581
H	0.659725	-2.443111	-0.012049
H	1.988838	-2.847413	-1.065288
N	-4.929258	-1.225914	2.589065
O	-5.449129	-2.315520	2.375599
O	-3.721570	-1.034417	2.677914
O	-5.674208	-0.256240	2.500425
C	-2.501315	-5.733029	1.152376
H	-3.425376	-5.643448	0.581247
H	-2.003422	-6.511499	0.574286
H	-2.668153	-5.994867	2.197223
C	-1.741814	-4.420584	0.956196
H	-1.445036	-4.301717	-0.085866
H	-0.794372	-4.345419	1.489866
N	-2.702389	-3.385199	1.367433
H	-3.095855	-3.569891	2.279119
H	-2.155720	-2.563502	1.582061
H	-3.443999	-3.078884	0.754012
N	-1.328731	-1.547146	-2.125784
O	-1.179730	-2.551195	-1.438209
O	-1.884070	-1.786325	-3.192306
O	-0.290611	-0.959603	-2.408936
C	-7.797037	-3.712265	-0.406556
H	-6.736714	-3.957298	-0.467973
H	-8.274426	-4.115211	0.486661
H	-8.217436	-4.183985	-1.294725
C	-7.787463	-2.200250	-0.633624
H	-8.784517	-1.839153	-0.885798
H	-7.204420	-1.891534	-1.501296
N	-7.271657	-1.592383	0.602614
H	-6.326042	-1.919277	0.740640
H	-7.184692	-0.588246	0.537449
H	-7.864020	-1.892405	1.363661
N	-8.975311	-1.160723	3.109834
O	-8.525743	-1.411733	4.222470
O	-9.098740	-2.093286	2.323597
O	-8.491456	-0.105295	2.716093
C	-3.260506	-4.006929	9.039041
H	-2.638300	-4.466332	9.807097
H	-4.264141	-4.060499	9.460880
H	-3.171388	-4.482918	8.062520
C	-2.909189	-2.536214	8.812289
H	-2.022303	-2.463350	8.182827
H	-2.837605	-2.033853	9.776970
N	-3.876896	-1.731344	8.050996
H	-3.991674	-1.855158	7.055206
H	-4.793296	-1.741705	8.475502
H	-3.567211	-0.784210	8.215715
N	-7.323234	-1.985933	9.178548
O	-7.978880	-0.979458	9.423928
O	-7.534842	-2.331888	8.021563
O	-6.127730	-1.875682	9.426921
C	4.450321	3.138477	-10.527828

H	3.522618	3.701826	-10.427309
H	5.116946	3.788940	-11.094051
H	4.432481	2.095356	-10.843551
C	4.922236	3.195843	-9.074609
H	4.728816	4.195995	-8.686814
H	5.990266	3.002736	-8.973998
N	4.142586	2.427439	-8.091990
H	4.489693	2.650774	-7.170177
H	3.174053	2.666999	-8.249009
H	4.180690	1.439242	-8.297207
N	4.098525	3.401197	-4.910128
O	3.408404	2.851566	-4.058827
O	3.493478	3.896763	-5.854273
O	5.021175	2.657897	-5.225243
C	-6.562750	-5.505011	5.355766
H	-7.191473	-6.394280	5.310941
H	-5.918036	-5.630479	4.485880
H	-5.911649	-5.565670	6.227826
C	-7.382293	-4.218675	5.248390
H	-7.733068	-4.010085	6.259106
H	-8.255386	-4.350230	4.609249
N	-6.579532	-3.074498	4.789834
H	-7.286568	-2.362581	4.674190
H	-5.850882	-2.758572	5.413821
H	-6.158623	-3.181018	3.877918
N	0.421454	-6.068027	-1.579569
O	0.826873	-5.891572	-0.436076
O	-0.777366	-6.301481	-1.686365
O	0.885076	-5.230301	-2.345301
C	-8.877731	3.480754	3.641236
H	-8.610343	3.991731	2.716299
H	-9.634496	2.742427	3.376131
H	-9.350819	4.221235	4.286197
C	-7.690704	2.756484	4.277035
H	-7.827730	2.179725	5.191733
H	-6.888572	3.440540	4.554073
N	-7.103847	1.825815	3.300668
H	-7.845987	1.162045	3.131145
H	-7.110060	2.194731	2.360475
H	-6.241257	1.336474	3.491939
N	-2.750952	1.311326	9.374105
O	-3.302174	0.455252	10.057015
O	-3.369136	2.366681	9.289556
O	-2.637147	0.843045	8.246791
C	3.581354	-4.167111	-6.697450
H	4.386658	-4.671992	-7.231006
H	2.699230	-4.773966	-6.901616
H	3.454437	-3.229721	-7.239014
C	3.738405	-3.994774	-5.186332
H	4.738897	-3.599216	-5.011262
H	3.774110	-5.018195	-4.812923
N	2.672262	-3.189530	-4.570896
H	2.769058	-3.055921	-3.574462
H	2.762384	-2.245162	-4.917519
H	1.772975	-3.534408	-4.874940
N	3.972618	-1.784680	-2.201901
O	3.574790	-0.648927	-2.436157
O	3.184921	-2.721742	-2.134636
O	5.062282	-2.024060	-2.710235
C	-2.525065	3.591397	0.463095
H	-2.385209	4.069418	1.432649
H	-1.711257	3.809555	-0.228442
H	-3.529828	3.656914	0.045649
C	-2.143555	2.150112	0.802198
H	-1.206876	2.206367	1.356785
H	-1.998879	1.525024	-0.078957
N	-3.158596	1.403450	1.561163

H	-2.956276	0.416303	1.629776
H	-3.173808	1.779663	2.498357
H	-4.060721	1.586621	1.145568
N	-0.450025	-0.890086	1.369947
O	-0.243770	-2.046628	1.720580
O	-1.222966	-0.252452	2.076390
O	0.553989	-0.356869	0.910914
C	-4.770865	6.461363	6.912994
H	-4.229401	6.380756	5.970433
H	-5.738320	6.134931	6.531454
H	-4.803035	7.485850	7.283794
C	-4.154183	5.555375	7.979169
H	-4.681616	5.805386	8.899717
H	-3.090818	5.733910	8.138798
N	-4.376878	4.140336	7.644632
H	-4.149275	3.900217	6.690358
H	-3.736206	3.448278	8.006151
H	-5.363073	3.927989	7.595355
N	-6.592922	1.732040	-0.130900
O	-5.373816	1.613079	-0.078882
O	-7.169135	0.903847	-0.827427
O	-7.180590	2.615114	0.483838
C	-10.778674	0.063632	7.765541
H	-11.839084	0.161754	7.533156
H	-10.773352	-0.598361	8.631473
H	-10.496160	1.085067	8.020407
C	-9.901073	-0.060372	6.519636
H	-10.079196	0.724770	5.784842
H	-10.056017	-1.051682	6.093730
N	-8.499393	0.018665	6.958825
H	-8.339525	-0.665831	7.684087
H	-7.874307	-0.239899	6.208816
H	-8.297697	0.916357	7.375440
N	-1.494253	2.540986	-3.631853
O	-0.271045	2.582693	-3.560455
O	-1.883485	2.487746	-4.793206
O	-1.996736	1.707328	-2.886467
C	-6.207083	2.493912	11.520037
H	-6.928704	2.702746	12.309816
H	-5.237553	2.840460	11.877829
H	-6.624172	3.043004	10.675859
C	-6.368884	1.032515	11.100534
H	-7.415100	0.729307	11.060583
H	-5.711933	0.424999	11.722980
N	-5.843822	0.898199	9.733014
H	-6.271274	0.003878	9.539179
H	-6.357932	1.584702	9.199625
H	-4.841347	0.961783	9.627646
N	-5.355665	0.241905	5.845515
O	-5.506547	0.727541	6.961072
O	-4.351621	-0.441484	5.678324
O	-6.400464	-0.309465	5.517704
C	2.097000	-0.889742	-10.901518
H	1.712870	-1.413717	-11.776730
H	1.915679	0.182189	-10.980176
H	3.168342	-1.047751	-10.777591
C	1.328670	-1.255400	-9.631161
H	1.244883	-2.338880	-9.546600
H	0.375887	-0.742470	-9.762332
N	2.088129	-0.763661	-8.471310
H	2.132025	0.245374	-8.475810
H	1.763804	-1.251081	-7.648306
H	3.068784	-1.003972	-8.497110
N	-8.067169	3.153930	7.846561
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O	-8.923355	2.872037	7.015563

C	-6.216708	1.637390	-3.866272
H	-6.998548	1.534023	-4.618697
H	-5.487512	2.332584	-4.282298
H	-6.663736	2.217421	-3.058912
C	-5.640363	0.265436	-3.514973
H	-5.352639	-0.335121	-4.377901
H	-6.522276	-0.234404	-3.114364
N	-4.540232	0.366428	-2.543709
H	-4.856671	0.737338	-1.659180
H	-4.251864	-0.598730	-2.470130
H	-3.747115	0.919508	-2.835546
N	-4.157104	-2.464578	-1.584019
O	-4.141758	-1.671850	-0.648913
O	-4.797312	-2.242723	-2.605777
O	-3.964990	-3.652875	-1.351383
C	2.506373	3.123405	-1.028991
H	2.036819	3.908295	-1.621922
H	2.466274	3.610042	-0.054477
H	3.556559	3.056839	-1.313209
C	1.619245	1.881741	-0.933527
H	0.618491	2.259324	-0.723705
H	1.932919	1.163070	-0.176415
N	1.528892	1.177951	-2.222076
H	1.394451	1.756723	-3.038805
H	2.368688	0.640803	-2.384292
H	0.747788	0.551494	-2.089682
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O	0.701000	-2.805838	-7.107271
O	-1.228042	-3.082473	-6.518255
O	0.273434	-3.947485	-5.404267
C	0.536929	5.493689	-4.686394
H	0.171347	5.023524	-3.773490
H	0.207221	6.526833	-4.795967
H	1.593265	5.627886	-4.453483
C	0.228085	4.647382	-5.921797
H	0.702246	5.209265	-6.726508
H	-0.854056	4.528926	-5.976915
N	0.873441	3.325922	-5.888586
H	0.755875	2.847813	-6.770453
H	1.871759	3.411822	-5.761768
H	0.506748	2.678924	-5.205190
N	0.997228	2.671377	-9.033410
O	1.415631	3.763060	-8.664296
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O	1.792329	1.772190	-9.283116
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H	0.704647	-0.646235	4.203527
H	0.630537	-2.135464	5.163710
H	1.438623	-0.775500	5.780845
C	-0.788837	-0.458700	5.635754
H	-0.731265	0.629652	5.652341
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N	-1.862565	-0.962319	4.765514
H	-1.784614	-0.617247	3.819497
H	-1.882734	-1.969132	4.843119
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N	5.638253	-0.600756	-7.775893
O	5.641389	-1.378190	-6.827914
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O	6.055815	0.515676	-7.489018
C	7.254467	0.542620	-2.799615
H	8.268263	0.837555	-2.528817
H	6.764976	1.513472	-2.722509
H	6.718037	-0.214397	-2.227541
C	7.178242	0.194050	-4.286400
H	7.511207	-0.843576	-4.310168
H	7.777832	0.914254	-4.843084

N	5.752398	0.274813	-4.638943
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O	-3.314747	3.518135	5.341142
O	-4.448020	2.254661	4.207469
C	-3.731480	-4.505591	-4.784296
H	-3.335080	-4.206742	-5.754686
H	-3.881151	-3.540756	-4.299741
H	-4.703809	-4.967486	-4.955556
C	-2.725279	-5.391613	-4.049200
H	-2.298987	-6.201187	-4.641624
H	-3.262042	-5.896863	-3.246263
N	-1.495825	-4.668001	-3.690497
H	-1.710621	-3.793648	-3.232818
H	-0.831044	-4.963282	-2.989801
H	-1.000021	-4.402259	-4.529342
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O	-1.830809	-3.589618	4.810566
O	-3.677347	-4.336497	4.119214
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C	-2.610873	-0.212247	-7.578928
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H	-3.462541	0.255366	-8.072994
H	-2.315912	-1.174744	-7.996898
C	-2.572334	-0.313112	-6.053745
H	-3.359962	-1.016030	-5.782364
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N	-1.250412	-0.639809	-5.497299
H	-0.777159	-1.349577	-6.038002
H	-0.766277	0.226948	-5.311703
H	-1.372871	-0.939039	-4.540447
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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>20</sub> conformer -2

Atomic Number	Atomic Coordinates (Angstroms)		
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C	0.161085	-3.287919	1.902343
H	1.106365	-3.304753	1.359885
H	0.236429	-2.990553	2.948287
N	-0.363621	-2.127022	1.166923
H	-0.680739	-2.320297	0.227678
H	-1.214122	-1.997437	1.696031
H	0.183679	-1.278377	1.185969
N	-3.895404	-1.632167	0.973037
O	-4.447714	-1.848360	-0.099945
O	-3.152721	-2.527766	1.359562
O	-4.697601	-1.288761	1.834215
C	-5.243424	-6.296157	0.339391
H	-5.341219	-6.530711	1.399354
H	-6.267083	-6.345525	-0.031804
H	-4.623723	-7.122383	-0.009063
C	-4.578389	-4.934850	0.545340
H	-3.665097	-4.952133	1.140066
H	-5.204890	-4.196136	1.045238
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H	-3.597390	-3.527011	-0.609199
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O	-2.571433	-1.646327	-2.796015
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C	-9.527147	-2.359794	0.606331
H	-9.393810	-1.320039	0.307616
H	-10.510599	-2.756647	0.354475
H	-9.652492	-2.272481	1.685574
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H	-8.219993	-4.103922	0.435357
N	-7.085127	-2.225740	0.442468
H	-6.881625	-2.309561	1.428196
H	-6.186033	-2.568503	0.135476
H	-7.261261	-1.284280	0.121953
N	-7.143408	-3.229985	3.618379
O	-6.394645	-3.793192	2.827666
O	-6.940142	-3.290621	4.825890
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H	1.063632	-0.220217	7.984576
H	1.518481	-1.652575	8.629362
H	0.742975	-1.615676	7.016342
C	-0.638557	-1.566048	8.712457
H	-0.687890	-1.152924	9.719927
H	-0.825623	-2.631846	8.843534
N	-1.723237	-0.971529	7.916306
H	-2.637079	-1.263359	8.232261
H	-1.793450	0.030794	8.018859
H	-1.650567	-1.230329	6.942734
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O	-3.956993	-2.906219	7.906241
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O	-5.461933	-2.098706	9.025523
C	6.513164	3.179560	-7.308809

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H	7.294343	3.492322	-8.001658
H	5.638380	3.707880	-7.687929
C	6.241778	1.676639	-7.382434
H	7.049277	0.994255	-7.117111
H	6.072690	1.563269	-8.453254
N	4.920674	1.242680	-6.902635
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C	-3.702131	-4.113804	5.209883
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H	2.808605	-2.982727	-3.077049
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H	0.346496	-4.370650	-2.285587
H	1.294988	-3.171924	-1.439007
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O	1.615231	-0.397910	0.386076
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H	-3.588430	5.495592	6.184585
H	-5.359352	5.264595	5.939723
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H	-5.010805	3.120007	7.031114
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H	-4.330001	-0.938984	-2.905071
H	-3.764724	0.602791	-3.095707
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H	1.056234	3.905853	-2.219613
C	1.214103	2.393657	-0.716091
H	1.065983	2.139340	0.333425
H	2.301161	2.337238	-0.659330
N	0.452054	1.481194	-1.582423
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C	1.052407	6.003205	-6.677727
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H	0.698393	5.638104	-7.641820
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N	1.751262	3.745140	-5.607449
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H	-1.837652	0.664822	4.179751
N	5.287934	-1.767646	-5.445710
O	6.226414	-1.114141	-5.003827
O	4.946027	-1.480024	-6.587397
O	4.368641	-1.857749	-4.639572
C	6.290612	1.263979	-1.432904
H	5.423218	1.227766	-0.773801
H	7.107432	1.123499	-0.724969
H	6.115484	2.249990	-1.863267
C	6.143954	0.117619	-2.433999
H	6.378133	-0.844325	-1.978011
H	6.909997	0.403424	-3.154827

N	4.802773	-0.023708	-3.021453
H	4.092968	-0.211016	-2.327773
H	4.584835	0.827762	-3.519049
H	4.693972	-0.725346	-3.739760
N	-4.195377	3.589885	2.460282
O	-4.147537	3.626507	3.684801
O	-4.598723	4.542427	1.802215
O	-4.193867	2.451161	2.005990
C	-3.385736	-6.024182	-6.846829
H	-3.784815	-7.003361	-7.111486
H	-2.297118	-5.987473	-6.806041
H	-3.616460	-5.342935	-7.665834
C	-3.906443	-5.545109	-5.491397
H	-3.921684	-6.329907	-4.735118
H	-4.903197	-5.143124	-5.673028
N	-3.150728	-4.419594	-4.920475
H	-3.821073	-3.895393	-4.376460
H	-2.321195	-4.693140	-4.413379
H	-2.821893	-3.773015	-5.623258
N	-1.315754	-1.454716	4.765439
O	-1.260849	-2.444803	5.486404
O	-1.271841	-0.356051	5.307732
O	-1.891582	-1.414471	3.683830
C	-2.796699	1.904625	-6.839872
H	-2.834177	2.863374	-7.357073
H	-3.321517	2.273009	-5.958419
H	-3.397643	1.096056	-7.256023
C	-1.415162	1.353333	-6.485930
H	-0.761945	2.141692	-6.111902
H	-0.955597	1.001423	-7.409542
N	-1.333082	0.215823	-5.556857
H	-1.583699	-0.688026	-5.931486
H	-0.342788	0.236087	-5.359352
H	-1.867464	0.435069	-4.728323
N	1.724741	0.625676	-4.630532
O	2.647352	1.044425	-5.320833
O	1.232525	-0.445857	-4.966115
O	0.905066	1.407036	-4.160761

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>20</sub> conformer -3

Atomic Number	Atomic Coordinates (Angstroms)		
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H	3.288550	-1.476018	1.012923
H	3.154808	-2.302056	2.655104
H	2.073337	-0.908690	2.310822
C	1.629230	-2.737956	1.424184
H	0.883743	-2.999520	2.175139
H	2.230872	-3.632262	1.261880
N	1.026385	-2.416438	0.121476
H	0.567880	-3.256906	-0.200218
H	0.315689	-1.700731	0.068818
H	1.688925	-2.220342	-0.615198
N	-4.628835	-1.081861	1.593259
O	-4.246401	-2.018255	2.286069
O	-4.837209	-1.262156	0.398625
O	-4.848398	0.014857	2.095332
C	-2.616116	-6.065229	1.801114
H	-2.122407	-7.035166	1.741342
H	-2.299450	-5.611982	2.740470
H	-3.686690	-6.244922	1.899512
C	-2.224834	-5.189481	0.610398
H	-2.332373	-5.667505	-0.363269
H	-1.163180	-4.979589	0.740537
N	-2.824608	-3.852312	0.737246
H	-2.474409	-3.356476	-0.069977
H	-3.821068	-3.956071	0.609177
H	-2.645142	-3.414493	1.629551
N	-1.056928	-2.308534	-2.475613
O	-0.195996	-1.465946	-2.703464
O	-0.855821	-3.138147	-1.595628
O	-1.860487	-2.518936	-3.377334
C	-10.076912	-3.147285	-0.491757
H	-9.644052	-3.845580	-1.208078
H	-11.036834	-3.538940	-0.155220
H	-10.383435	-2.204833	-0.945550
C	-9.085875	-2.979114	0.660374
H	-8.619854	-3.870559	1.080195
H	-9.567359	-2.593167	1.558882
N	-7.989299	-2.031449	0.408795
H	-7.423602	-2.382373	-0.350771
H	-8.390058	-1.111451	0.294360
H	-7.337688	-1.838950	1.156088
N	-8.771300	-1.374104	3.650669
O	-7.967991	-1.017972	2.795719
O	-8.299172	-2.110732	4.509477
O	-9.985044	-1.204524	3.616849
C	-1.453853	-2.692959	9.294002
H	-1.114894	-1.798089	9.815936
H	-2.443476	-2.973502	9.654617
H	-0.892888	-3.584016	9.575848
C	-1.410926	-2.311412	7.813995
H	-1.690066	-3.152201	7.178972
H	-0.425104	-1.988721	7.479146
N	-2.461174	-1.319042	7.538275
H	-3.324020	-1.613489	7.972899
H	-2.205657	-0.455185	7.994961
H	-2.646750	-1.237776	6.548802
N	-5.561327	-2.442540	8.296611
O	-6.644902	-1.876562	8.389399
O	-4.604446	-1.963084	8.894588
O	-5.364785	-3.083714	7.270285
C	5.617429	4.365066	-7.423719

H	6.358740	3.971573	-6.728219
H	6.387495	4.841567	-8.030386
H	4.884550	5.100946	-7.092858
C	4.817106	3.270658	-8.130540
H	5.366221	2.608540	-8.799997
H	4.103053	3.670564	-8.850473
N	4.222000	2.402696	-7.102760
H	3.533048	1.772861	-7.488446
H	4.973117	1.904377	-6.647128
H	3.762766	2.989490	-6.420942
N	3.161978	4.735160	-4.384424
O	3.871486	4.496152	-3.413575
O	2.077219	5.296584	-4.278693
O	3.297941	4.015287	-5.367466
C	-5.517331	-5.347769	4.593058
H	-5.320948	-5.440721	5.661184
H	-6.232467	-6.164963	4.498859
H	-4.782756	-5.617696	3.834349
C	-6.200642	-4.015303	4.284090
H	-7.124802	-4.038721	4.861568
H	-6.420368	-3.893686	3.223416
N	-5.538996	-2.760707	4.674032
H	-6.289868	-2.111690	4.861302
H	-5.122003	-2.886227	5.585329
H	-4.946461	-2.298147	3.999465
N	1.299542	-5.691561	-1.448368
O	1.652909	-4.928240	-2.340303
O	1.116801	-5.163216	-0.357253
O	0.493955	-6.509112	-1.879316
C	-8.089986	3.631947	3.061749
H	-7.140753	4.145423	2.908781
H	-8.575018	3.507360	2.093594
H	-8.691120	4.376542	3.583589
C	-8.073366	2.261861	3.740297
H	-9.045915	1.776928	3.824488
H	-7.893590	2.458350	4.797261
N	-7.086135	1.366172	3.118238
H	-7.070385	1.382965	2.108500
H	-6.152414	1.616643	3.410692
H	-7.283626	0.391085	3.292317
N	-2.139165	1.715940	8.483862
O	-2.874905	2.636796	8.821185
O	-2.278820	1.475803	7.289748
O	-2.312471	0.694164	9.138855
C	4.618765	-4.591924	-4.023499
H	4.433744	-5.015727	-3.036455
H	4.012853	-5.195625	-4.699159
H	5.653499	-4.709591	-4.345337
C	4.164548	-3.139935	-4.176002
H	4.366504	-2.679879	-5.143298
H	4.716506	-2.606746	-3.401953
N	2.764496	-2.919545	-3.782143
H	2.654503	-3.382857	-2.891445
H	2.415049	-1.972014	-3.769086
H	2.247827	-3.440529	-4.476210
N	2.738485	-0.003913	-1.318649
O	2.779256	0.676123	-2.337944
O	2.117899	0.343154	-0.319903
O	2.931453	-1.208482	-1.440515
C	-4.752697	4.261928	-0.836398
H	-4.483507	5.009083	-1.582988
H	-5.821138	4.046215	-0.834511
H	-4.463204	4.738367	0.100245
C	-3.869477	3.040970	-1.095291
H	-2.857530	3.398862	-1.284963
H	-4.116293	2.518277	-2.019398
N	-4.055678	2.032685	-0.040525

H	-3.429572	1.263663	-0.232087
H	-3.925125	2.356236	0.907299
H	-4.994565	1.661406	-0.013274
N	-1.458988	0.277274	-0.055165
O	-1.339372	-0.831997	0.453052
O	-1.489351	1.200368	0.751093
O	-2.163589	0.311479	-1.057883
C	-3.437272	5.692067	6.807941
H	-3.582978	6.725778	7.121490
H	-2.457884	5.293923	7.073232
H	-3.567385	5.716465	5.726009
C	-4.636218	4.862654	7.268856
H	-5.657708	5.094820	6.967595
H	-4.592155	5.100763	8.331617
N	-4.490129	3.445136	6.903970
H	-5.355771	2.926670	6.859738
H	-4.234132	3.362387	5.930463
H	-3.807489	2.986943	7.490624
N	-7.485437	1.146876	-0.138754
O	-6.895985	2.020300	0.487946
O	-8.459361	0.593737	0.359830
O	-6.786142	0.433446	-0.849444
C	-10.394883	0.301189	8.582467
H	-11.453978	0.154073	8.794066
H	-9.810786	-0.064975	9.426774
H	-10.276328	1.384027	8.543641
C	-9.894225	-0.193244	7.224999
H	-10.207828	0.579225	6.522827
H	-10.096650	-1.206410	6.877698
N	-8.428124	-0.075678	7.248788
H	-8.104523	0.768697	7.698692
H	-8.088921	-0.850376	7.800950
H	-7.945253	-0.099285	6.362008
N	-2.349982	1.858473	-4.659842
O	-1.745792	1.954117	-5.722331
O	-2.696364	0.742711	-4.288128
O	-2.094642	2.661876	-3.769662
C	-4.150552	1.342695	11.992780
H	-4.417994	2.374532	11.764989
H	-4.169420	1.019929	13.033725
H	-3.098334	1.263738	11.719461
C	-5.007356	0.460651	11.084084
H	-6.020040	0.184738	11.378093
H	-4.558927	-0.532830	11.086472
N	-4.975349	0.977883	9.707390
H	-5.226934	0.220469	9.088414
H	-5.516357	1.813243	9.535392
H	-4.066843	1.312363	9.419571
N	-5.267062	0.122920	6.011269
O	-4.303675	-0.549365	5.660564
O	-6.370749	-0.085699	5.519914
O	-5.313126	0.368449	7.211548
C	2.764362	-2.494495	-10.236295
H	3.071325	-3.275050	-10.932433
H	1.788673	-2.788106	-9.849096
H	2.627158	-1.581129	-10.815121
C	3.768245	-2.338144	-9.093660
H	4.716739	-1.814724	-9.214031
H	3.931673	-3.375876	-8.802965
N	3.116528	-1.545467	-8.039730
H	3.720796	-1.300054	-7.268540
H	2.914608	-0.651001	-8.463122
H	2.255271	-1.985875	-7.749253
N	-7.338680	3.020614	8.589506
O	-7.906774	1.987007	8.924175
O	-6.529007	3.467118	9.394577
O	-7.108829	3.029565	7.385278

C	-5.658128	-2.234016	-4.471036
H	-4.786521	-2.597384	-5.015431
H	-6.352241	-1.872902	-5.229919
H	-6.166798	-3.106294	-4.060563
C	-5.362531	-1.071139	-3.523312
H	-6.288892	-0.826287	-3.003694
H	-4.970860	-0.163671	-3.982871
N	-4.444524	-1.506934	-2.459739
H	-4.764120	-2.420305	-2.170410
H	-3.444285	-1.591559	-2.571365
H	-4.632407	-0.913939	-1.664027
N	-5.562143	-4.141158	-0.852745
O	-4.499042	-3.842892	-1.385594
O	-6.364068	-3.281388	-1.200288
O	-5.571421	-4.573719	0.294374
C	0.951673	3.601780	-1.029744
H	0.074078	3.871619	-0.442281
H	1.474752	3.012993	-0.276206
H	1.518291	4.522123	-1.171219
C	0.714938	3.015236	-2.421779
H	1.631612	2.953643	-3.008308
H	-0.014896	3.545587	-3.033473
N	0.202039	1.638983	-2.339901
H	1.079572	1.162642	-2.187801
H	-0.396672	1.527097	-1.534217
H	-0.118282	1.337840	-3.249191
N	0.791932	-4.240013	-6.488644
O	1.329869	-3.412069	-7.215424
O	1.417142	-4.330756	-5.437952
O	-0.421353	-4.363721	-6.363297
C	-0.959078	4.540908	-7.695210
H	-0.180380	4.623196	-8.453470
H	-1.646059	5.381540	-7.792657
H	-1.515719	3.619991	-7.868879
C	-0.178428	4.547069	-6.380528
H	-0.915348	4.616354	-5.580373
H	0.522116	5.376653	-6.284990
N	0.621245	3.335138	-6.144757
H	0.019037	2.644515	-5.719921
H	0.957652	2.944948	-7.013481
H	1.396751	3.580055	-5.545835
N	1.607781	1.208014	-8.818858
O	2.703669	0.730437	-9.090935
O	1.488058	2.261198	-8.202786
O	0.670366	0.429068	-8.686296
C	0.020149	0.492146	4.015462
H	0.391272	0.150561	3.049187
H	0.134692	-0.366720	4.676771
H	0.683645	1.280539	4.370863
C	-1.361905	1.118934	3.828635
H	-1.328017	2.049157	3.261506
H	-1.849242	1.272355	4.791476
N	-2.262507	0.083853	3.298197
H	-2.281105	-0.792841	3.799357
H	-3.214352	0.370365	3.119304
H	-1.929378	-0.127946	2.368538
N	5.408653	0.114133	-5.314560
O	5.772853	1.282887	-5.381242
O	5.125519	-0.470256	-6.354465
O	4.857476	-0.204410	-4.266795
C	5.326810	2.600530	-0.641472
H	4.506922	1.948887	-0.339403
H	6.041568	2.692225	0.176339
H	4.984585	3.617059	-0.835512
C	6.035515	2.122437	-1.909149
H	6.526187	1.172602	-1.696652
H	6.803546	2.765427	-2.339024

N	5.094150	2.108856	-3.039409
H	4.315557	1.465825	-3.019266
H	4.753075	3.050524	-3.169901
H	5.554371	1.854999	-3.901879
N	-3.819680	3.421455	3.501654
O	-3.531414	2.786890	2.493038
O	-4.994187	3.385300	3.851369
O	-2.967891	3.460779	4.382554
C	-2.368042	-6.918500	-4.180585
H	-2.131368	-7.062440	-5.234799
H	-3.377866	-7.249372	-3.937934
H	-1.663638	-7.486128	-3.572543
C	-2.201457	-5.420713	-3.922274
H	-2.746373	-5.206801	-3.002813
H	-2.735719	-4.929952	-4.735795
N	-0.806697	-5.018025	-3.684937
H	-0.842123	-4.010403	-3.625419
H	-0.449867	-5.337098	-2.795575
H	-0.111332	-5.268717	-4.373211
N	-1.764946	-3.207636	4.221466
O	-1.678663	-2.111088	4.762959
O	-2.813694	-3.828772	4.353351
O	-1.292926	-3.248753	3.090722
C	-2.917961	-1.659881	-7.343945
H	-3.172373	-1.304115	-8.342346
H	-3.734366	-1.219272	-6.771716
H	-3.013827	-2.745082	-7.308627
C	-1.538596	-1.065173	-7.058434
H	-1.314700	-0.085691	-7.481028
H	-0.900940	-1.795516	-7.556523
N	-1.335709	-1.108726	-5.602144
H	-0.366637	-0.867296	-5.451443
H	-1.913780	-0.457097	-5.090955
H	-1.555433	-2.046589	-5.298444
N	1.560805	0.345363	-5.220016
O	0.572994	0.886635	-4.735937
O	2.585494	1.016269	-5.274538
O	1.368167	-0.717180	-5.800507

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>20</sub> conformer -4

Atomic Number	Atomic Coordinates (Angstroms)		
	X	Y	Z
C	1.501311	-2.914254	2.338406
H	2.561168	-2.686149	2.451410
H	1.320687	-3.988679	2.371367
H	1.012458	-2.497005	3.218762
C	0.849653	-2.318665	1.090024
H	1.466838	-2.510631	0.212339
H	0.825949	-1.237647	1.227632
N	-0.528457	-2.746653	0.804576
H	-0.973520	-2.231969	0.058172
H	-0.582838	-3.726796	0.566955
H	-1.053388	-2.658546	1.662938
N	-4.003243	-2.439594	0.769522
O	-5.086371	-2.626994	0.226576
O	-3.718777	-3.511730	1.291707
O	-3.082680	-2.184309	0.001102
C	-3.430393	-7.177557	1.052833
H	-2.476329	-7.509328	0.643210
H	-3.175256	-6.440253	1.814008
H	-3.838949	-8.137439	1.368759
C	-4.194664	-6.584903	-0.131435
H	-5.217339	-6.350328	0.163879
H	-4.147094	-7.223267	-1.013665
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H	-4.213897	-4.893636	-1.307876
H	-3.771542	-4.639725	0.224273
H	-2.695555	-5.465853	-0.758429
N	-1.067314	-1.939492	-2.816023
O	-1.080188	-1.414323	-1.708274
O	-1.643849	-3.012433	-2.955597
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C	-10.555386	-2.885244	0.653170
H	-10.592572	-3.316839	1.653391
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H	-11.492835	-3.068217	0.127993
C	-9.429573	-3.478501	-0.194434
H	-9.492183	-3.146135	-1.230635
H	-9.427813	-4.566216	-0.264958
N	-8.090283	-3.191442	0.341980
H	-7.866402	-2.209327	0.415665
H	-7.876553	-3.532086	1.268469
H	-7.468304	-3.520263	-0.382670
N	-8.378769	-3.001901	3.920689
O	-7.760147	-3.372376	4.912218
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O	-8.606965	-1.800418	3.834421
C	-0.488663	-2.577216	6.926570
H	0.575227	-2.787859	6.817633
H	-1.001129	-3.316202	7.542507
H	-1.009290	-2.547845	5.969394
C	-0.635637	-1.163569	7.490346
H	0.044192	-0.538819	6.911019
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N	-2.037016	-0.749260	7.322042
H	-2.673888	-1.212470	7.954443
H	-2.150453	0.214510	7.602002
H	-2.359390	-0.785735	6.365567
N	-4.807436	-2.455645	8.467832
O	-5.748801	-1.757541	8.827775
O	-3.665768	-2.153063	8.796640
O	-4.994069	-2.985925	7.378315
C	6.274417	2.082795	-9.102475

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H	7.043878	1.470186	-8.632645
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O	-0.878333	-5.231867	0.449650
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H	-7.242087	0.513380	2.464500
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O	-2.983803	2.584904	7.023997
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C	3.748781	-3.883085	-1.588415
H	3.256127	-3.348377	-0.776331
H	2.936531	-4.405650	-2.093663
H	4.387908	-4.507609	-0.964247
C	4.460635	-2.850274	-2.462718
H	5.042426	-3.422307	-3.185489
H	5.215590	-2.371870	-1.838802
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H	4.070751	-1.253873	-3.705929
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N	3.195193	0.441926	-0.891669
O	2.632490	-0.624853	-1.111718
O	2.476211	1.434961	-0.886766
O	4.238952	0.486126	-1.533300
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H	-4.270796	5.134007	-0.264396
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C	-4.751177	5.773779	7.044959
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C	-5.804152	4.751824	7.474717
H	-6.778295	5.172158	7.224790
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N	-5.636130	3.462753	6.786309
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O	-5.950872	-0.531063	4.999138
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H	4.518802	-3.783392	-8.767126
H	3.838539	-2.254252	-9.554846
C	5.297747	-1.849902	-8.031548
H	5.686705	-0.896151	-8.388158
H	6.048815	-2.353965	-7.423341
N	4.415321	-1.405366	-6.941799
H	4.955365	-0.911226	-6.245897
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N	-8.267792	1.221995	8.469123
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H	-6.109015	-0.746561	-4.554417
C	-4.636089	-0.336201	-2.989950
H	-5.266861	0.450007	-2.575097
H	-3.599779	-0.000568	-3.028830
N	-4.704628	-1.502112	-2.095637
H	-5.512978	-2.107498	-2.108940
H	-3.913772	-2.094168	-2.305672
H	-4.508103	-1.204267	-1.150774
N	-6.496659	-4.380685	-2.470954
O	-7.005233	-5.005603	-1.546884
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C	-0.107555	3.427762	-1.827090
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H	-0.500451	4.227728	-1.199566
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H	-1.703297	1.845241	-1.349235
H	-0.396610	2.004790	-0.272038
N	0.037374	0.967885	-2.012128
H	-0.188417	1.173750	-2.974800
H	1.044543	0.957410	-1.937306
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N	0.980670	3.424945	-6.286526
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H	1.728714	3.302094	-5.619114
H	0.070283	3.455837	-5.850247
N	2.025174	1.013140	-8.533684
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C	-0.732922	3.137739	4.253388
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H	-0.839019	2.754413	5.268230
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C	-2.140348	3.471185	3.757599
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H	-2.640511	4.180516	4.416983
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N	6.138178	0.609098	-4.892923
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O	6.116595	1.639679	-4.229211
C	5.528144	3.446150	-0.923025
H	6.400792	2.992084	-1.392504
H	5.873405	4.313295	-0.360037
H	5.058794	2.671758	-0.316290
C	4.483565	3.895153	-1.945322
H	4.745740	4.780504	-2.524560
H	3.592057	4.131825	-1.364548

N	4.150520	2.804173	-2.874130
H	3.979671	1.933850	-2.390965
H	3.461092	3.246448	-3.465046
H	4.977697	2.543803	-3.391900
N	-5.997940	4.223219	2.978994
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C	-1.026658	-7.091119	-4.253748
H	-1.084366	-7.781628	-5.095156
H	-2.019099	-6.991883	-3.814074
H	-0.395398	-7.527340	-3.479589
C	-0.430736	-5.736549	-4.638270
H	-1.117243	-5.096504	-5.192481
H	0.350594	-5.894522	-5.381686
N	-0.018387	-4.968080	-3.453674
H	0.342741	-5.450900	-2.643384
H	0.544830	-4.244435	-3.877024
H	-0.802256	-4.413871	-3.139826
N	-2.073843	-1.220395	3.958672
O	-1.444618	-0.218601	4.280481
O	-2.889438	-1.664214	4.759238
O	-1.482414	-1.963771	3.183637
C	-1.806355	-1.065710	-7.651592
H	-2.196408	-1.896779	-8.239201
H	-1.629179	-0.242201	-8.343360
H	-2.526426	-0.737745	-6.901901
C	-0.466066	-1.466117	-7.034225
H	0.295877	-1.796524	-7.740180
H	-0.690180	-2.277568	-6.341825
N	0.130139	-0.478283	-6.121776
H	-0.396847	-0.067871	-5.364182
H	1.012766	-0.608519	-5.648375
H	0.340750	0.285548	-6.748119
N	2.713970	0.876396	-4.766507
O	1.891013	1.296063	-3.960470
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O	2.989952	1.617501	-5.703349

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>20</sub> conformer -5

Atomic Number	Atomic Coordinates (Angstroms)		
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H	0.464861	0.515207	3.418611
H	-0.584440	1.437733	2.206273
H	0.963519	0.842177	1.783468
C	-0.335135	-0.704895	1.739344
H	-1.201763	-1.170953	2.208220
H	0.446431	-1.461032	1.813582
N	-0.624747	-0.524358	0.308480
H	-0.849611	-1.462951	0.010856
H	-1.391652	0.116655	0.163367
H	0.144323	-0.301495	-0.307120
N	-4.951098	-0.859249	1.683156
O	-4.492648	-1.429504	0.699434
O	-4.413148	-1.053510	2.767567
O	-6.155627	-0.648698	1.594529
C	-5.908670	-6.263026	0.478560
H	-5.862079	-7.312969	0.189514
H	-6.401062	-5.988558	1.411468
H	-6.583239	-5.797552	-0.240043
C	-4.598680	-5.489366	0.326181
H	-4.171606	-5.501786	-0.676592
H	-3.775680	-6.012066	0.813579
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H	-5.144981	-3.718263	-0.179333
H	-5.224709	-3.817549	1.380791
H	-3.686767	-3.639240	0.640766
N	-1.171874	-0.579933	-3.499089
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O	-0.780456	0.246219	-2.682180
O	-2.072169	-1.369883	-3.237315
C	-9.714359	-3.602975	0.275063
H	-9.316083	-3.837936	1.262114
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H	-9.304576	-4.337174	-0.418573
C	-9.480776	-2.101055	0.109184
H	-9.905712	-1.439506	0.864090
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N	-8.049092	-1.768323	0.050777
H	-7.671505	-2.427422	-0.614893
H	-7.840008	-0.832721	-0.267082
H	-7.460482	-1.899117	0.861043
N	-6.136469	-3.351717	3.296231
O	-6.691025	-3.289753	4.387883
O	-5.205915	-4.149916	3.301237
O	-6.814861	-3.262274	2.278951
C	0.357314	-0.342519	9.558017
H	0.929624	-0.455600	10.478764
H	1.110041	-0.126298	8.799893
H	-0.217073	0.579739	9.645301
C	-0.638830	-1.496072	9.436139
H	-1.035818	-1.688969	10.432778
H	-0.113978	-2.375653	9.063353
N	-1.709081	-1.010844	8.551292
H	-1.402283	-0.644239	7.661587
H	-2.457233	-1.687499	8.501222
H	-2.158870	-0.158779	8.854237
N	-4.172400	-3.675815	8.698550
O	-3.511220	-2.796267	9.239210
O	-3.978320	-4.000834	7.532457
O	-5.270607	-3.960437	9.163318
C	7.794268	0.468186	-9.413864

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H	8.763066	0.489071	-9.912959
H	7.846889	-0.407521	-8.766973
C	7.477091	1.735291	-8.619078
H	7.344727	2.566283	-9.311922
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N	6.244194	1.668278	-7.819505
H	5.442328	1.587729	-8.428293
H	6.364524	0.916287	-7.156082
H	6.021213	2.465703	-7.241152
N	5.110811	4.458179	-6.505884
O	4.254545	4.441647	-5.628608
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C	-1.804202	-5.430444	3.851743
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C	-2.519244	-4.935256	5.109259
H	-1.748344	-4.735250	5.853444
H	-3.103813	-5.740750	5.553733
N	-3.117659	-3.607357	4.903289
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O	-1.776287	-3.673669	1.008630
O	-0.491080	-3.220499	-0.569490
C	-9.359941	-1.593169	3.976749
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H	-9.124452	-2.075732	4.925315
H	-10.421659	-1.532668	3.737595
C	-8.659935	-0.238868	3.859695
H	-9.222720	0.480172	4.454971
H	-8.731840	0.007325	2.800300
N	-7.237444	-0.192011	4.231401
H	-6.766749	-0.652648	3.465660
H	-6.980407	0.764488	4.429242
H	-7.082004	-0.711829	5.083298
N	-3.755854	1.100859	10.314153
O	-4.890896	1.551375	10.422746
O	-3.332939	1.046095	9.164710
O	-3.539156	0.111646	11.005222
C	3.826063	-1.567472	-1.799478
H	3.457325	-1.175639	-0.851533
H	4.571207	-2.362934	-1.789432
H	4.227765	-0.757698	-2.408576
C	2.813807	-2.265134	-2.708569
H	2.251945	-3.044155	-2.193267
H	3.297520	-2.752317	-3.555194
N	1.955035	-1.145416	-3.124001
H	1.823272	-0.487627	-2.368983
H	2.473482	-0.599507	-3.797272
H	1.062405	-1.502169	-3.433901
N	2.539034	1.299548	-1.078053
O	2.663855	2.376546	-0.505714
O	2.711281	1.416675	-2.286228
O	1.662682	0.495000	-0.781765
C	-8.101436	4.937508	0.359654
H	-8.611815	4.167798	-0.219276
H	-8.476509	4.982576	1.382097
H	-8.269563	5.909436	-0.104233
C	-6.643662	4.476295	0.363796
H	-6.012157	5.098862	0.997603
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N	-6.506481	3.029542	0.591674

H	-5.568112	2.656615	0.613761
H	-6.887567	2.741443	1.481546
H	-7.100085	2.633710	-0.123205
N	-2.981454	2.158216	0.494096
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O	-2.953561	2.217852	1.718327
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C	-5.463550	4.541888	7.808685
H	-5.941697	5.484044	8.076670
H	-4.499839	4.497704	8.316041
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C	-6.446031	3.435267	8.193345
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H	-5.894324	-3.852149	7.587768
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O	-1.126173	1.580772	-5.839560
O	-0.418211	3.458532	-5.807725
O	-1.037005	2.612826	-7.593127
C	-7.888196	-1.727559	11.740119
H	-7.884597	-2.745332	11.349962
H	-8.169692	-1.916046	12.776137
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C	-6.557005	-0.975582	11.722776
H	-5.846209	-1.504809	12.357431
H	-6.669950	0.077220	11.981523
N	-5.986029	-1.021406	10.367886
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H	-5.172439	-0.456293	10.564912
H	-5.634499	-1.923262	10.079475
N	-5.024747	-0.870311	6.607803
O	-4.969857	-1.941205	6.013454
O	-5.164681	-0.823273	7.824882
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C	4.752599	-3.900303	-6.736266
H	4.007319	-3.995405	-5.946574
H	4.862181	-4.879508	-7.202365
H	5.665088	-3.539746	-6.261435
C	4.044565	-3.115100	-7.840795
H	3.064100	-3.529353	-8.075707
H	4.538651	-3.096266	-8.812198
N	3.710620	-1.726239	-7.489529
H	4.569413	-1.283712	-7.195006
H	3.309585	-1.196396	-8.250146
H	3.054527	-1.632650	-6.727373
N	-8.315283	-0.709978	7.967141
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O	-7.990704	-1.602157	8.742862
O	-7.951740	-0.938395	6.818778

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H	-5.998791	0.026138	-3.813307
H	-4.347488	-0.066219	-4.477890
C	-4.632018	1.152648	-2.735062
H	-5.421356	1.364357	-2.013797
H	-4.093985	2.093466	-2.851167
N	-3.893683	0.096665	-2.025412
H	-3.823781	0.447335	-1.080825
H	-4.491563	-0.714614	-2.092256
H	-2.978520	-0.194479	-2.338159
N	-5.833798	-2.933202	-2.091211
O	-6.721064	-3.522460	-1.484077
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O	-4.720961	-3.427929	-2.232333
C	1.032538	4.810092	-3.017348
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H	1.251582	4.768164	-4.084288
H	0.974616	5.807256	-2.580987
C	0.008798	3.733573	-2.655541
H	-0.987456	3.992749	-3.013881
H	-0.087196	3.689543	-1.570670
N	0.295748	2.530096	-3.451245
H	-0.379778	1.801039	-3.271692
H	0.251898	2.759423	-4.433888
H	1.137797	2.073581	-3.130862
N	0.857455	-3.534998	-5.534681
O	1.625290	-2.676372	-5.954521
O	0.891695	-3.831602	-4.345593
O	-0.280558	-3.369674	-5.959736
C	0.405943	5.128071	-8.851927
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C	1.838450	5.124837	-8.317368
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H	2.549780	5.390365	-9.099419
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H	2.974865	3.953970	-7.142056
H	1.372524	3.596974	-7.002097
H	2.339218	3.094351	-8.286765
N	2.852479	0.588864	-9.605037
O	3.877496	0.119166	-10.086494
O	2.650688	1.797076	-9.554243
O	2.232824	-0.060942	-8.770258
C	-2.283122	2.514167	6.031986
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H	-1.898051	3.502635	6.282488
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C	-2.941269	2.453282	4.653227
H	-2.407397	3.020785	3.890980
H	-3.973264	2.803877	4.640207
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N	6.355241	-0.557097	-5.699285
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C	6.153867	2.032692	-1.902894
H	6.833067	1.270616	-2.285029
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H	5.297499	1.588801	-1.395259
C	5.617187	2.893851	-3.046669
H	6.498071	3.364080	-3.483736
H	4.895680	3.652390	-2.743115

N	4.910898	2.063260	-4.034149
H	4.602536	2.489542	-4.896295
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H	4.186609	1.731145	-3.413499
N	-6.751717	3.120719	4.139661
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C	-1.911663	-6.201304	-4.342800
H	-2.709118	-6.686718	-4.905417
H	-1.755801	-6.797100	-3.443448
H	-0.922155	-6.080498	-4.783686
C	-2.447051	-4.853374	-3.858769
H	-3.153412	-4.956187	-3.035006
H	-2.973634	-4.293364	-4.631555
N	-1.476228	-4.022420	-3.130168
H	-0.637489	-3.821714	-3.655844
H	-1.749713	-3.054000	-3.043746
H	-1.333073	-4.354433	-2.187101
N	-0.753142	-1.288972	5.536934
O	-1.545077	-1.081644	4.624285
O	-0.899574	-2.329331	6.168825
O	-0.274346	-0.371844	6.194738
C	-2.451494	-1.285110	-6.822901
H	-2.780753	-0.416820	-6.252146
H	-2.296567	-1.925767	-5.954767
H	-3.302659	-1.645808	-7.400409
C	-1.182456	-1.235259	-7.674310
H	-1.241071	-0.556027	-8.524786
H	-0.970786	-2.194355	-8.146993
N	0.056986	-0.694112	-7.095704
H	0.363950	-1.190281	-6.271271
H	0.808979	-0.781790	-7.764225
H	0.014276	0.271057	-6.801214
N	2.713810	1.237410	-5.833677
O	3.698473	1.413565	-6.542538
O	2.583622	0.140458	-5.301863
O	2.238162	2.186816	-5.220927

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>20</sub> conformer -6

Atomic Number	Atomic Coordinates (Angstroms)		
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H	1.200049	-5.275756	1.487494
H	0.384186	-4.729064	3.015170
H	2.076745	-4.675425	2.816429
C	1.200059	-3.113574	1.661533
H	1.952952	-3.058916	0.875234
H	1.472818	-2.366207	2.406614
N	-0.109374	-2.835494	1.051701
H	-0.308855	-3.589048	0.409467
H	-0.811473	-2.828231	1.777721
H	0.096885	-1.957511	0.597055
N	-3.660890	-3.470107	1.124217
O	-4.491401	-3.346938	2.017613
O	-4.118034	-3.555810	-0.010133
O	-2.539837	-3.797198	1.497482
C	-1.937952	-7.817097	-0.211771
H	-2.750964	-8.369938	-0.682384
H	-1.034082	-7.739185	-0.815965
H	-1.631616	-8.449733	0.621314
C	-2.645287	-6.526703	0.203443
H	-2.166743	-6.117022	1.092968
H	-3.685152	-6.739440	0.451482
N	-2.640980	-5.527165	-0.875790
H	-3.120174	-4.672397	-0.631157
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H	-3.056706	-5.791997	-1.757343
N	-1.204265	-2.595730	-2.984910
O	-1.752983	-3.635473	-2.637177
O	-0.331911	-2.052623	-2.316248
O	-1.889815	-1.906616	-3.732050
C	-7.789123	-4.334655	-0.556731
H	-8.068456	-5.386110	-0.489537
H	-8.444720	-3.830148	-1.266496
H	-6.820913	-4.236231	-1.047631
C	-7.529274	-3.569838	0.741489
H	-6.967289	-4.309283	1.312010
H	-8.464727	-3.545384	1.300444
N	-6.741276	-2.343024	0.546996
H	-7.295280	-1.728242	-0.031988
H	-6.694784	-1.881607	1.444232
H	-5.821523	-2.370103	0.130556
N	-7.003379	-0.963976	3.418356
O	-6.878563	-2.180255	3.508703
O	-7.835735	-0.425635	4.139777
O	-7.100835	-0.438710	2.314873
C	0.040396	-2.241057	7.540290
H	1.095671	-2.420993	7.745519
H	-0.479120	-3.112779	7.938165
H	-0.030408	-2.265972	6.452877
C	-0.469333	-0.936352	8.153284
H	0.120345	-0.028161	8.028516
H	-0.528829	-1.112702	9.227277
N	-1.875089	-0.727583	7.773670
H	-1.927641	-0.306039	6.857352
H	-2.469953	-1.536175	7.662245
H	-2.184926	-0.038273	8.443709
N	-4.614611	-2.451431	8.405272
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O	-5.649473	-2.623882	7.770923
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C	5.182527	5.573234	-5.489083

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H	5.913132	6.114474	-6.090227
H	4.468826	6.275105	-5.057680
C	4.096734	4.889239	-6.320375
H	4.434517	4.334580	-7.195793
H	3.309817	5.567352	-6.650565
N	3.523070	3.707884	-5.657690
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H	3.112123	3.977671	-4.775399
N	1.563122	5.287427	-3.451333
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C	-4.889237	-5.250431	5.003640
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H	-4.612154	-6.296911	5.130940
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H	-3.064654	-4.497029	4.191303
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O	1.678451	-4.068797	-1.327075
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C	-9.134707	2.250041	3.061690
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C	-7.827597	3.036285	3.167157
H	-7.942950	3.833490	3.901499
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O	-3.028406	2.871637	8.969015
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H	3.550580	-4.479858	-3.500624
C	3.860539	-2.494813	-2.708039
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N	1.763664	0.097271	0.091875
O	0.830971	-0.680269	0.260969
O	2.521301	-0.135668	-0.843433
O	1.734491	1.271587	0.442880
C	-5.775865	3.976114	-0.879871
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C	-5.426131	2.563298	-0.411386
H	-6.050621	2.298514	0.441844
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N	-5.424262	1.546576	-1.474454

H	-4.781887	1.750016	-2.226828
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H	-6.357294	1.454588	-1.850074
N	-3.558189	-0.700344	-0.047508
O	-2.628862	-0.083995	0.461943
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O	-4.607666	-0.487782	0.549562
C	-4.070265	6.074255	6.593825
H	-4.209559	6.213514	5.521769
H	-4.610899	6.930367	6.997420
H	-3.048561	6.189367	6.955723
C	-4.725859	4.733606	6.926539
H	-5.765765	4.586872	6.634712
H	-4.816185	4.726426	8.012765
N	-3.895281	3.607128	6.473736
H	-4.348602	2.717942	6.628484
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N	-7.818452	-0.368691	-1.906327
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O	-8.070374	0.831134	-1.900785
O	-6.658846	-0.616905	-2.217422
C	-10.094769	-1.142052	6.812968
H	-10.227242	-0.398249	7.598658
H	-9.976554	-0.611461	5.868194
H	-10.929308	-1.840966	6.869217
C	-8.810687	-1.956859	6.971289
H	-8.539254	-2.597965	6.132595
H	-8.680974	-2.501770	7.906353
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C	-5.230013	2.990950	11.089053
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C	4.444176	-1.737078	-7.135718
H	5.232133	-1.910343	-6.402776
H	3.970681	-2.713957	-7.233745
N	3.614776	-0.714021	-6.480515
H	4.170605	0.055878	-6.136410
H	2.927190	-0.400611	-7.150664
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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>20</sub> conformer -7

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H	0.031654	-0.631588	5.638349
C	-1.096834	0.356409	4.062984
H	-0.548769	0.211803	3.131956
H	-1.462584	1.375127	3.934375
N	-2.167159	-0.652436	4.084793
H	-2.427480	-0.708720	3.110543
H	-1.992689	-1.593437	4.407559
H	-2.978956	-0.228320	4.510483
N	5.752747	1.793865	-6.642091
O	5.236483	1.721091	-7.751709
O	5.287631	1.034236	-5.799650
O	5.822366	2.896436	-6.110523
C	7.137332	2.302763	-2.770944
H	6.921073	1.360030	-2.268365
H	7.404680	2.016283	-3.788075
H	8.020594	2.781864	-2.348558
C	5.930042	3.210665	-3.007601
H	6.072655	4.093533	-3.630742
H	5.589056	3.622777	-2.057868

N	4.771258	2.461342	-3.517084
H	4.345363	1.957311	-2.752449
H	4.092954	3.142175	-3.827682
H	4.836288	1.862539	-4.327828
N	-4.542145	2.122755	2.332064
O	-4.836833	2.212491	3.518733
O	-5.188112	1.361620	1.620393
O	-4.236277	3.158817	1.752325
C	-1.060471	-6.886591	-5.365012
H	-0.211586	-7.322158	-4.837968
H	-1.228506	-7.317608	-6.351972
H	-2.036688	-7.032115	-4.902492
C	-0.838479	-5.374467	-5.410213
H	-1.605556	-5.014947	-6.096098
H	0.094542	-4.963061	-5.795331
N	-1.084478	-4.808643	-4.074860
H	-0.820348	-3.842809	-3.942580
H	-2.015951	-5.070521	-3.785243
H	-0.415156	-5.122906	-3.386858
N	-1.990046	-3.058034	6.221514
O	-2.067100	-3.195831	5.005722
O	-2.721997	-3.671147	6.990550
O	-1.652398	-1.957579	6.643494
C	-2.406241	-0.923894	-7.804420
H	-1.424126	-1.080702	-8.250470
H	-3.193079	-0.683738	-8.519480
H	-2.820775	-1.789421	-7.287579
C	-2.224080	0.221651	-6.808234
H	-3.076702	0.307873	-6.134660
H	-1.975307	1.218770	-7.171503
N	-1.190610	-0.298799	-5.899986
H	-0.305875	-0.373628	-6.381383
H	-1.030578	0.330169	-5.126107
H	-1.362048	-1.194377	-5.465650
N	1.763017	1.446080	-4.816847
O	2.482363	0.735158	-4.123877
O	2.162868	1.732099	-5.939963
O	0.697576	1.887175	-4.400498

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>20</sub> conformer -8

Atomic Number	Atomic Coordinates (Angstroms)		
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C	1.546200	-5.663266	2.395352
H	0.685096	-5.680846	3.063401
H	2.410614	-6.070940	2.919463
H	1.458096	-6.253481	1.483220
C	1.690227	-4.247858	1.835246
H	2.309177	-4.306060	0.939917
H	2.060553	-3.513974	2.551048
N	0.379166	-3.769632	1.370209
H	-0.188497	-3.611338	2.190453
H	0.549866	-2.874394	0.934881
H	-0.003944	-4.472407	0.754227
N	-2.774038	-3.860745	1.418498
O	-3.464690	-3.317426	2.273414
O	-3.277920	-4.056162	0.318047
O	-2.183932	-4.786674	1.963939
C	-3.757738	-7.225447	-0.248885
H	-3.821192	-6.448023	0.512486
H	-4.412459	-8.080476	-0.080463
H	-2.760723	-7.665947	-0.253365
C	-3.848092	-6.588880	-1.636134
H	-4.875099	-6.230742	-1.707505
H	-3.663682	-7.390149	-2.351719
N	-2.833033	-5.524226	-1.633359
H	-1.939593	-5.994388	-1.604858
H	-2.835471	-5.025360	-2.511554
H	-2.879228	-4.777795	-0.954531
N	-1.107603	-2.171986	-2.906397
O	-1.417031	-3.338041	-2.688120
O	-1.933902	-1.273592	-3.021271
O	-0.200928	-2.066093	-3.724811
C	-8.007959	-4.287622	1.012706
H	-8.339584	-5.325501	1.043232
H	-8.300578	-3.993214	2.020574
H	-8.566851	-3.841098	0.190297
C	-6.483808	-4.263164	0.893511
H	-6.088739	-4.684971	-0.030664
H	-6.079848	-4.915174	1.667978
N	-5.861944	-2.957478	1.162420
H	-4.880022	-3.106110	1.346363
H	-6.027978	-2.371099	0.357006
H	-6.285139	-2.547898	1.982938
N	-6.652196	-3.039584	4.227183
O	-6.390031	-4.199812	3.930171
O	-6.702421	-2.208714	3.327067
O	-6.341951	-2.631533	5.340879
C	1.064723	0.034364	8.003719
H	1.739895	0.225227	8.837874
H	1.550648	-0.713961	7.377630
H	0.988326	0.928111	7.384460
C	-0.331989	-0.353288	8.490299
H	-0.619390	0.327355	9.291688
H	-0.166773	-1.266084	9.062669
N	-1.435497	-0.477600	7.525591
H	-1.345826	-1.008331	6.670967
H	-2.263981	-0.742897	8.038749
H	-1.433319	0.526966	7.420987
N	-4.187104	-1.046364	9.623785
O	-4.902801	-0.068143	9.439559
O	-2.997590	-0.749542	9.629148
O	-4.505200	-2.014548	8.942235
C	2.408531	6.079270	-6.867820

H	2.856548	6.966097	-7.316059
H	1.759497	5.576325	-7.584688
H	1.906554	6.468156	-5.981881
C	3.554424	5.111694	-6.570217
H	4.218287	5.800052	-6.047198
H	3.833818	4.821674	-7.583097
N	3.139510	3.997967	-5.703442
H	2.865618	4.344518	-4.795155
H	2.334271	3.515453	-6.076094
H	3.906946	3.349442	-5.600689
N	0.974573	4.813894	-2.748518
O	1.394158	4.251127	-1.743372
O	1.688933	4.895605	-3.741538
O	-0.224252	4.820954	-3.005120
C	-3.526557	-5.391109	6.184982
H	-4.440714	-5.148381	6.726737
H	-3.690869	-6.468139	6.218257
H	-2.720906	-5.151342	6.878911
C	-3.373469	-4.888147	4.749212
H	-4.131078	-5.308249	4.087667
H	-2.417822	-5.139772	4.289297
N	-3.482142	-3.423003	4.822585
H	-3.373393	-3.030268	3.898446
H	-4.393632	-3.131739	5.145773
H	-2.731441	-3.050208	5.386120
N	0.453085	-5.609814	-1.415817
O	1.178274	-4.621313	-1.409231
O	-0.210029	-5.775696	-0.398055
O	-0.050692	-5.998431	-2.463796
C	-9.607938	1.196992	2.153034
H	-9.513219	2.282429	2.122166
H	-9.525523	0.836855	1.127554
H	-10.600714	0.933740	2.517992
C	-8.772395	0.370449	3.131060
H	-9.041819	-0.665849	2.927108
H	-9.282897	0.604242	4.065313
N	-7.326696	0.627540	3.043322
H	-7.111260	0.303476	3.975346
H	-7.077513	-0.011981	2.302362
H	-7.045731	1.591862	2.937293
N	-2.014077	3.331268	6.892135
O	-1.684890	2.195319	7.215140
O	-2.095881	3.611227	5.701334
O	-2.818224	4.005756	7.525767
C	4.678626	-2.821615	-2.419910
H	4.289257	-3.714761	-2.908562
H	5.655244	-2.479464	-2.762329
H	4.697908	-2.958532	-1.338716
C	3.648620	-1.697890	-2.538954
H	3.685797	-1.368205	-3.577234
H	3.744963	-0.887426	-1.816483
N	2.298569	-2.249958	-2.348098
H	1.693905	-1.441443	-2.376102
H	2.177986	-2.863404	-3.141346
H	2.036443	-2.730775	-1.499448
N	1.261405	-0.706318	0.700921
O	0.121419	-1.141428	0.581811
O	1.526734	0.397595	0.238264
O	2.096620	-1.568692	0.452320
C	-7.341682	2.184796	-3.815381
H	-8.093433	1.479797	-3.460491
H	-7.848289	2.946740	-4.407741
H	-6.715994	1.573356	-4.465578
C	-6.612953	2.870851	-2.659472
H	-7.332748	3.411943	-2.045296
H	-5.882720	3.622633	-2.958940
N	-5.821789	1.915043	-1.869325

H	-4.961069	1.644038	-2.322996
H	-5.555268	2.355859	-1.000563
H	-6.239876	1.010459	-1.704910
N	-3.854172	-0.381724	0.655920
O	-4.562269	-0.353861	1.656370
O	-4.263775	-0.346979	-0.499110
O	-2.650000	-0.266489	0.855330
C	-3.538938	5.479655	3.565798
H	-3.280575	5.004241	2.619579
H	-3.483887	6.562238	3.451414
H	-2.597349	5.341266	4.097172
C	-4.714018	4.939356	4.381338
H	-5.670938	5.055122	3.872417
H	-4.691885	5.543922	5.288041
N	-4.598264	3.504345	4.683303
H	-5.361257	3.182639	5.261617
H	-4.539474	3.151396	3.738808
H	-3.701585	3.433898	5.142765
N	-7.771305	-0.763654	-0.594595
O	-7.503972	-0.096045	0.398333
O	-7.149295	-1.816707	-0.679794
O	-7.943744	-0.189270	-1.663906
C	-7.863750	-1.653529	9.436837
H	-7.025691	-2.222255	9.839712
H	-7.951220	-0.646037	9.843542
H	-8.763535	-2.219460	9.678101
C	-7.722309	-1.512798	7.920912
H	-8.465621	-0.780066	7.606760
H	-7.909057	-2.457905	7.411012
N	-6.495441	-0.861626	7.436547
H	-6.383421	-0.961804	6.437790
H	-6.556713	0.116326	7.681404
H	-5.787896	-1.332083	7.982578
N	-3.462956	1.658954	-4.105853
O	-2.610697	1.337683	-4.926533
O	-3.668739	1.028104	-3.074951
O	-4.218936	2.567221	-4.432380
C	-3.097552	2.721424	10.680180
H	-2.901268	2.995411	11.716763
H	-2.776626	1.680318	10.714910
H	-2.434033	3.415107	10.163801
C	-4.519007	2.855147	10.132983
H	-4.820826	3.883714	10.330604
H	-5.172384	2.091915	10.555683
N	-4.515512	2.552047	8.693553
H	-4.285831	1.582953	8.525619
H	-5.473924	2.664362	8.395339
H	-3.931401	3.157150	8.134299
N	-4.358401	0.191322	5.414265
O	-3.546181	-0.711293	5.583554
O	-5.139841	0.144529	4.470741
O	-4.371478	1.065829	6.273418
C	5.067392	-0.582338	-8.322594
H	5.302340	-0.546684	-9.386373
H	5.673963	0.008506	-7.636246
H	4.958578	-1.573567	-7.882451
C	3.732634	0.158027	-8.232473
H	2.935918	-0.238811	-8.861649
H	3.964967	1.111248	-8.707332
N	3.136348	0.132220	-6.887997
H	2.229304	0.576448	-6.882355
H	3.057675	-0.833453	-6.602715
H	3.748745	0.632221	-6.259451
N	-7.060233	2.218082	6.728235
O	-7.307654	1.729731	7.825218
O	-6.318574	3.171514	6.518507
O	-7.557668	1.570018	5.814098

C	-6.706305	-1.998008	-4.592563
H	-7.329228	-1.872283	-3.706978
H	-6.427126	-3.041492	-4.738513
H	-7.133625	-1.618144	-5.520572
C	-5.417312	-1.220847	-4.323568
H	-5.830460	-0.212189	-4.327710
H	-4.774530	-1.298244	-5.200461
N	-4.700937	-1.529444	-3.076404
H	-3.750762	-1.188700	-3.110505
H	-5.001008	-1.307240	-2.137958
H	-4.470386	-2.508255	-3.170614
N	-4.191552	-4.542801	-4.439984
O	-3.994863	-3.718920	-5.326329
O	-4.373685	-4.080139	-3.319338
O	-3.331904	-5.416490	-4.412637
C	-2.016302	2.822822	-0.192693
H	-2.046765	3.883850	-0.440467
H	-2.971255	2.464941	-0.577512
H	-2.079163	2.595464	0.871476
C	-0.985859	2.079568	-1.043342
H	-0.038610	2.261641	-0.535729
H	-1.023236	2.597126	-2.001901
N	-1.241484	0.637960	-1.185694
H	-2.102091	0.245003	-1.539302
H	-0.511871	0.147948	-1.683342
H	-1.194447	0.223077	-0.266041
N	2.487975	-2.961485	-6.038711
O	3.484202	-2.311063	-5.742806
O	1.599396	-2.384128	-6.655285
O	2.184039	-3.742315	-5.143724
C	-2.292376	4.438937	-7.187401
H	-2.742582	5.284749	-7.707032
H	-2.869373	3.523215	-7.316357
H	-1.491255	4.116564	-7.852518
C	-1.845279	4.815103	-5.774445
H	-2.716072	5.175909	-5.227052
H	-1.121031	5.626840	-5.706276
N	-1.337884	3.664397	-5.011381
H	-1.057549	3.822012	-4.053952
H	-1.886318	2.822727	-4.906923
H	-0.516049	3.360177	-5.513513
N	0.937250	2.454920	-7.696070
O	0.467450	2.999583	-6.703243
O	0.795169	1.239057	-7.763646
O	2.052956	2.930711	-7.874671
C	-0.155660	1.379144	3.523452
H	0.602564	0.624534	3.732641
H	0.343046	2.141001	4.122590
H	-0.013514	1.641423	2.475070
C	-1.609944	1.143659	3.932654
H	-2.275823	1.919690	3.555187
H	-1.614834	1.074936	5.020474
N	-2.116196	-0.130238	3.399048
H	-3.019913	-0.214662	3.842069
H	-2.372292	0.019104	2.433537
H	-1.595231	-0.988318	3.510381
N	5.050406	1.942792	-4.036765
O	4.575804	1.762716	-5.152741
O	4.741137	1.179127	-3.128886
O	4.857407	3.061252	-3.573220
C	5.050024	1.416821	0.252014
H	4.561324	0.736351	0.949318
H	5.625440	0.909899	-0.522600
H	5.827137	1.951765	0.797937
C	4.074126	2.456399	-0.300022
H	4.675790	3.176546	-0.854539
H	3.677421	3.108966	0.477720

N	3.064785	2.012749	-1.273802
H	2.449919	1.315954	-0.878181
H	2.594086	2.804026	-1.689039
H	3.465783	1.578289	-2.092671
N	-5.252076	2.786559	1.547431
O	-4.163803	2.613546	2.084836
O	-5.165365	3.268265	0.423368
O	-6.194981	3.111205	2.260601
C	0.803578	-6.076307	-6.482195
H	1.358386	-5.310500	-7.024253
H	0.583045	-6.969907	-7.066100
H	1.445842	-6.309678	-5.632998
C	-0.501387	-5.478383	-5.955511
H	-1.273909	-6.205994	-5.706732
H	-0.936842	-4.927192	-6.788977
N	-0.228009	-4.672565	-4.755609
H	0.580224	-4.112388	-4.985956
H	-0.919045	-4.043028	-4.373181
H	0.080631	-5.244544	-3.982510
N	-0.366683	-2.393375	4.964256
O	-1.260036	-2.639585	5.766987
O	0.188601	-1.348839	5.286252
O	-0.619019	-2.419347	3.764787
C	-1.919928	-0.166385	-7.743020
H	-2.787243	-0.679074	-8.158972
H	-1.151274	-0.295886	-8.504924
H	-2.247621	0.860918	-7.583748
C	-1.609771	-0.932440	-6.456629
H	-1.209990	-1.934199	-6.613965
H	-2.552827	-1.079669	-5.930254
N	-0.554896	-0.177628	-5.762844
H	-0.089971	-0.788805	-5.106790
H	0.227564	0.145456	-6.313727
H	-0.844801	0.561607	-5.138674
N	1.230585	1.032937	-3.634292
O	1.891477	0.742636	-4.625262
O	0.264820	1.734585	-3.913693
O	1.095236	0.198019	-2.746785

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>20</sub> conformer -9

Atomic Number	Atomic Coordinates (Angstroms)		
	X	Y	Z
C	-0.132850	-3.283772	1.185313
H	0.293378	-2.836574	0.287291
H	-0.271883	-4.360295	1.085976
H	0.608994	-3.100221	1.962537
C	-1.434786	-2.529974	1.458428
H	-1.213387	-1.463252	1.424006
H	-1.836560	-2.783291	2.439504
N	-2.428536	-2.808256	0.410163
H	-2.778605	-3.750385	0.509878
H	-3.082841	-2.042390	0.336438
H	-1.871189	-2.845311	-0.431319
N	-4.320486	-5.256303	-0.051305
O	-3.302477	-5.205258	0.629964
O	-4.399767	-6.159310	-0.876756
O	-4.704172	-4.158470	-0.439409
C	-3.170043	-9.619305	-1.152206
H	-4.192212	-9.320520	-1.384580
H	-2.928737	-10.019981	-2.136752
H	-3.181155	-10.519826	-0.538171
C	-2.094691	-8.589839	-0.803410
H	-1.094995	-9.021906	-0.848405
H	-2.130571	-8.206908	0.216480
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H	-1.398028	-6.901882	-1.755763
H	-2.322478	-7.870292	-2.666199
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N	-2.171686	-1.566261	-2.705670
O	-2.970734	-1.424869	-3.624694
O	-1.936102	-0.569547	-2.031773
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C	-8.608537	-4.462121	1.103578
H	-7.900054	-5.290197	1.082541
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C	-8.597902	-3.597336	-0.157324
H	-9.390565	-2.860171	-0.029376
H	-8.732738	-4.124105	-1.102011
N	-7.290615	-2.943758	-0.323687
H	-6.460687	-3.519283	-0.333221
H	-7.160729	-2.344960	-1.126600
H	-7.260581	-2.426207	0.543111
N	-7.324932	-1.334460	3.108974
O	-6.923027	-1.582017	1.977487
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O	-8.438032	-1.663900	3.503378
C	0.041771	-1.345474	10.336476
H	0.348773	-1.954493	11.186738
H	0.875746	-1.025076	9.712031
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C	-1.053094	-1.958038	9.462475
H	-1.878062	-2.290495	10.092555
H	-0.629658	-2.853980	9.008505
N	-1.511228	-1.082698	8.372643
H	-0.876680	-1.060523	7.587177
H	-2.435505	-1.372389	8.086476
H	-1.555289	-0.147953	8.752657
N	-4.964687	-1.839485	8.279001
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O	-3.817291	-2.259155	8.176848
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C	5.238227	4.568647	-5.023406

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O	-0.235191	-5.252341	-1.771596
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C	3.472146	-3.216036	-1.902086
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H	4.537627	-3.365297	-2.076938
H	3.395498	-2.992391	-0.838033
C	2.608776	-2.277136	-2.745236
H	2.732468	-2.565631	-3.789060
H	3.047559	-1.302077	-2.533510
N	1.154453	-2.292260	-2.524874
H	0.727224	-3.176752	-2.759924
H	0.876107	-1.903577	-1.635183
H	0.795498	-1.551248	-3.109813
N	1.625608	0.166001	0.056288
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O	2.726554	-0.193388	-0.345998
C	-6.766898	1.515669	-2.805404
H	-6.128243	2.078448	-3.486213
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H	-7.468549	2.309605	-2.549568
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N	-5.011481	0.126746	-1.888367

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H	-1.099152	6.461553	5.847676
H	-1.121484	7.328322	7.335976
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H	-9.857708	-0.783095	8.473816
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H	-5.175557	1.470631	12.742731
C	-5.222558	2.054679	10.775914
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N	-3.730861	0.716833	6.188661
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O	-4.669658	0.383372	5.474139
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C	2.996810	-1.645923	-8.561667
H	3.763179	-1.878421	-7.822260
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H	3.413852	-1.771822	-9.560830
C	2.310710	-0.296665	-8.345774
H	1.503773	-0.103922	-9.052741
H	3.058601	0.441090	-8.636424
N	1.954460	-0.059404	-6.938424
H	1.746458	0.902285	-6.710414
H	1.239773	-0.659014	-6.551397
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H	-5.998054	-4.360865	-5.873205
H	-4.647129	-5.470287	-6.078848
C	-3.974504	-3.642599	-5.206838
H	-4.185793	-2.573300	-5.199377
H	-2.969678	-3.707651	-5.624202
N	-3.894448	-4.160109	-3.832205
H	-3.342175	-3.464493	-3.351358
H	-4.845238	-4.130044	-3.492802
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H	-0.606069	4.517180	-0.413049
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H	-1.668677	1.212465	-1.431164
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H	-0.267311	1.207825	-0.798303
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H	0.133180	6.484407	-4.945448
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N	0.280605	2.752238	-7.284025
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C	1.525081	2.137725	4.348659
H	1.648543	1.258114	3.716883
H	2.437235	2.651179	4.652702
H	0.938619	2.773196	3.685079
C	0.603715	1.881813	5.541737
H	0.425248	2.813659	6.078311
H	1.031700	1.233925	6.306702
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O	4.067035	-0.713651	-5.199172
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O	4.112944	1.340069	-5.630947
C	5.174317	1.696800	-0.405482
H	5.479456	0.961898	-1.150405
H	6.028598	2.253042	-0.019610
H	4.726660	1.109832	0.396497
C	4.144058	2.717722	-0.889349
H	4.675326	3.474764	-1.466185
H	3.587948	3.304968	-0.158607

N	3.158327	2.022118	-1.730960
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H	2.694404	1.352630	-1.133747
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C	2.149597	-6.745555	-5.662797
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H	1.599700	-7.685785	-5.703783
H	2.312989	-6.472319	-4.620326
C	1.336280	-5.660669	-6.369467
H	1.315786	-5.723571	-7.457457
H	1.971639	-4.776441	-6.318886
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H	-0.520997	-4.864980	-6.259366
H	-0.541166	-6.463064	-5.741132
H	0.079490	-5.496013	-4.790556
N	-0.203743	-1.907300	5.108276
O	0.027690	-1.450473	6.222199
O	-0.736077	-3.011183	5.074533
O	-0.423117	-1.144228	4.174106
C	-3.361004	1.039794	-7.602507
H	-4.322627	0.945487	-8.106973
H	-2.590195	0.526839	-8.177687
H	-3.016350	2.072821	-7.555955
C	-3.460246	0.434125	-6.202093
H	-3.674662	-0.620596	-6.374395
H	-4.283015	0.951527	-5.708692
N	-2.196033	0.704158	-5.500174
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H	-1.946783	1.672416	-5.357167
N	0.490524	1.317508	-3.959377
O	0.164342	0.142459	-4.085635
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O	1.635802	1.695611	-4.179496

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>20</sub> conformer -10

Atomic Number	Atomic Coordinates (Angstroms)		
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H	1.921682	-3.725484	1.413580
H	0.793812	-5.157516	1.565827
H	1.352540	-4.279401	2.859605
C	0.011832	-2.992706	1.552607
H	0.346357	-2.001809	1.859717
H	-0.965690	-3.221008	1.977377
N	-0.344701	-2.813179	0.136805
H	-0.774404	-3.561549	-0.387978
H	-0.938705	-2.005075	0.017529
H	0.475116	-2.560896	-0.396443
N	-4.247706	-3.317993	0.744947
O	-3.249299	-3.948512	0.415239
O	-5.206022	-3.468619	-0.004731
O	-4.529733	-3.110208	1.919835
C	-4.022766	-7.638557	-0.487065
H	-4.534374	-6.956614	0.192135
H	-4.767794	-7.902633	-1.237596
H	-3.926891	-8.529867	0.132996
C	-2.780628	-7.013677	-1.123037
H	-2.330108	-7.493969	-1.991629
H	-2.108589	-6.972313	-0.265860
N	-3.060604	-5.639296	-1.566354
H	-2.198194	-5.187913	-1.835801
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O	-2.012305	-3.070517	-3.821320
O	-2.368160	-2.589037	-1.785995
O	-0.729460	-1.780619	-2.651771
C	-9.835880	-3.669734	1.035954
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H	-10.380256	-2.726311	1.077277
H	-10.408253	-4.399895	0.463805
C	-8.459004	-3.458723	0.405455
H	-8.590608	-3.055425	-0.598602
H	-7.948267	-4.405912	0.232018
N	-7.434754	-2.696529	1.136082
H	-6.556954	-2.929312	0.694065
H	-7.568343	-1.695493	1.122697
H	-7.511863	-2.931624	2.115308
N	-7.400292	-2.593788	4.287237
O	-8.329455	-2.912094	3.553471
O	-7.646982	-2.065798	5.365869
O	-6.483382	-2.134899	3.615098
C	0.726034	-1.658564	9.536646
H	1.688685	-2.070132	9.839986
H	0.662802	-0.577358	9.413780
H	-0.064215	-1.956617	10.225682
C	0.153607	-2.336042	8.291178
H	-0.158368	-3.377085	8.374845
H	0.939826	-2.397510	7.538728
N	-1.003156	-1.587888	7.775418
H	-1.876395	-1.880042	8.190388
H	-1.000250	-0.588430	7.920936
H	-1.131885	-1.700180	6.779969
N	-4.218944	-2.466745	8.658250
O	-4.720746	-1.589532	9.352344
O	-5.064699	-3.243544	8.228883
O	-3.059529	-2.812037	8.857268
C	4.724008	5.925852	-6.291951

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H	5.570110	5.238848	-6.307307
C	3.501917	5.126449	-6.745041
H	3.593774	4.832855	-7.790730
H	2.581506	5.710336	-6.740682
N	3.221885	3.957312	-5.897374
H	4.037955	3.442775	-5.598407
H	2.712403	4.158656	-5.048853
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N	2.147362	4.863526	-2.985605
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H	-4.812820	-5.595551	5.454882
C	-3.697476	-3.815726	5.205672
H	-2.837560	-4.344196	4.794135
H	-3.524626	-3.748647	6.279787
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O	-0.442281	-5.228778	-1.167089
O	0.826066	-4.313900	-2.514581
C	-8.450351	0.725381	3.220768
H	-8.510870	1.389454	2.358536
H	-8.558804	-0.335254	2.994071
H	-9.307897	0.978001	3.844385
C	-7.222497	1.171506	4.015242
H	-7.289659	0.742922	5.015195
H	-7.180228	2.257804	4.094434
N	-6.011769	0.543300	3.464486
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H	-5.949434	0.913026	2.526660
H	-5.143062	0.684419	3.960000
N	-1.816374	1.827042	7.844867
O	-1.715018	0.799043	8.505185
O	-2.590827	2.689729	8.243701
O	-1.582852	1.771116	6.642612
C	4.022645	-3.889419	-4.640407
H	3.483070	-4.373667	-5.454325
H	5.105342	-3.857608	-4.762293
H	3.856081	-4.509909	-3.759869
C	3.468972	-2.529088	-4.215216
H	3.826761	-1.917697	-5.043642
H	3.891906	-2.160912	-3.280511
N	2.001997	-2.636514	-4.198405
H	1.631787	-1.702033	-4.099462
H	1.673665	-2.830099	-5.133724
H	1.676254	-3.199668	-3.425845
N	2.623053	-0.945030	-1.242072
O	2.065798	-0.643897	-2.291768
O	3.253809	-0.030224	-0.724044
O	2.137975	-1.834593	-0.551816
C	-5.209487	4.501625	-1.579283
H	-4.643917	4.158262	-2.445501
H	-6.238177	4.147064	-1.643960
H	-5.168898	5.590242	-1.616223
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H	-5.051161	4.361914	0.602029
H	-3.578649	4.506328	-0.140849
N	-4.300222	2.563983	-0.223105

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H	-5.105246	1.955828	-0.269827
H	-3.718158	2.144520	-0.933987
N	-2.593197	-0.316821	0.775130
O	-3.310645	0.105689	-0.124775
O	-2.840998	0.000219	1.933213
O	-1.412114	-0.386344	0.453747
C	-5.461574	5.541765	6.306359
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H	-5.649944	5.630662	5.236446
H	-6.307478	5.044507	6.780999
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N	-3.839967	3.644236	6.175620
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O	-6.091421	1.012435	-1.299572
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H	-10.301055	-1.493869	8.735015
C	-8.174622	-1.962895	8.620682
H	-8.133932	-3.050685	8.676870
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H	-6.157275	-1.867270	8.112078
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O	-3.382807	0.672154	-3.503163
O	-2.813105	2.272015	-2.362923
O	-3.132828	2.527554	-4.373567
C	-2.897744	1.022925	11.728481
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H	-1.994716	1.115617	11.125116
H	-2.740336	1.769382	12.507021
C	-4.105584	1.537856	10.945019
H	-3.983270	2.567699	10.609515
H	-5.001105	1.337335	11.533179
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H	-3.340637	1.027227	9.036624
H	-4.122554	-0.177607	9.706897
H	-4.922527	1.125298	9.124936
N	-3.818969	-0.023929	5.984281
O	-5.013916	-0.188038	6.203936
O	-3.115367	-0.952007	6.367283
O	-3.700314	0.352152	4.823436
C	2.273021	-0.233158	-9.797613
H	1.600432	-1.084521	-9.693178
H	1.576715	0.592570	-9.944007
H	3.093130	-0.360243	-10.504275
C	2.837993	0.090926	-8.414278
H	3.432208	1.002167	-8.346107
H	3.470751	-0.745599	-8.117727
N	1.811091	0.200981	-7.366804
H	1.271674	-0.640620	-7.222452
H	2.313179	0.486696	-6.538326
H	1.159548	0.971487	-7.410536
N	-6.669693	2.153939	8.065639
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H	-7.085691	-0.505831	-3.108027
H	-7.061182	-1.256690	-4.673236
H	-5.862856	0.028278	-4.350863
C	-5.455648	-1.893257	-3.448952
H	-4.952035	-2.370561	-4.289580
H	-6.236282	-2.557238	-3.077684
N	-4.611694	-1.360921	-2.368119
H	-3.974989	-2.006746	-1.923577
H	-4.085327	-0.628658	-2.822904
H	-5.054791	-0.808465	-1.648010
N	-4.893749	-5.942750	-4.453950
O	-3.982115	-6.398526	-3.772579
O	-5.859771	-5.455426	-3.877416
O	-4.565378	-5.542283	-5.565200
C	-0.612699	2.896156	-0.236076
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H	-1.395808	3.281239	-0.889187
H	-1.097978	2.361436	0.580428
C	0.167083	1.899810	-1.094608
H	0.903887	1.514404	-0.389852
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N	-0.701182	0.923201	-1.770028
H	-0.136704	0.360762	-2.390614
H	-1.099100	0.267192	-1.113206
H	-1.475896	1.351592	-2.256237
N	0.260433	-2.425392	-7.002291
O	-0.396481	-1.451677	-7.353604
O	1.464215	-2.449628	-6.771218
O	-0.475817	-3.108454	-6.299129
C	-2.425232	5.907427	-4.732641
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C	-1.173474	5.353857	-4.051097
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H	-0.573673	4.419978	-5.727758
N	0.578369	3.303300	-7.722461
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O	1.749968	3.119431	-8.033304
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C	0.940536	0.898512	2.804974
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H	0.516585	0.631515	1.836946
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H	-0.274162	2.733889	3.046295
H	0.361019	1.777405	4.554665
N	-1.301590	1.064426	3.832217
H	-1.754083	0.920453	2.940801
H	-1.177910	0.174761	4.294060
H	-1.866487	1.605010	4.471561
N	5.122124	1.483554	-5.195011
O	4.309157	1.316758	-6.097418
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O	5.399799	2.664691	-5.019255
C	6.698903	1.484243	-1.202165
H	7.564959	1.903428	-0.689983
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H	7.112200	0.959665	-2.063620
C	5.647899	2.491147	-1.670540
H	6.089453	3.163382	-2.406222
H	5.430101	3.173913	-0.849264

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H	3.946242	1.388101	-1.515543
H	3.809498	2.662596	-2.521026
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N	-3.428782	3.769736	2.929419
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C	-1.432408	-6.258294	-7.621125
H	-0.756315	-6.950656	-8.122756
H	-1.068632	-5.274232	-7.916742
H	-2.474928	-6.457869	-7.868962
C	-1.133684	-6.273173	-6.121664
H	-0.150570	-5.948209	-5.781096
H	-1.220308	-7.231242	-5.609123
N	-1.940170	-5.302928	-5.365328
H	-1.617534	-4.394553	-5.666758
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O	-0.796416	-3.248032	5.451173
O	-1.223762	-1.754929	3.934734
O	0.090414	-1.333563	5.352610
C	-3.588459	-1.530722	-7.163766
H	-4.462736	-1.581957	-6.514833
H	-3.013203	-2.436560	-6.972359
H	-4.083838	-1.517227	-8.134599
C	-2.930608	-0.178117	-6.888936
H	-3.667223	0.602478	-6.698750
H	-2.372400	0.041709	-7.798980
N	-2.061945	-0.271740	-5.705509
H	-2.586494	-0.378116	-4.848986
H	-1.270327	-0.845767	-5.958364
H	-1.679494	0.648713	-5.542422
N	0.647733	1.106724	-4.561195
O	1.444393	1.828710	-5.150385
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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>30</sub> conformer -1

Atomic Number	Atomic Coordinates (Angstroms)		
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H	-3.022226	2.061202	-5.924407
H	-4.508865	1.162117	-5.921451
H	-3.771527	1.608216	-4.486068
C	-2.818958	-0.150516	-5.374148
H	-2.378608	-0.491175	-6.311242
H	-3.502392	-0.941672	-5.065780
N	-1.690224	-0.076346	-4.433777
H	-1.106596	-0.895436	-4.526345
H	-1.118568	0.723437	-4.665411
H	-1.917327	-0.000519	-3.452566
N	-10.249985	-5.145714	-1.416401
O	-11.165465	-4.584554	-0.824733
O	-9.858982	-4.583517	-2.433322
O	-9.401972	-5.748773	-0.768120
C	2.997870	-7.649835	-0.196845
H	3.819698	-7.042143	0.181849
H	3.006655	-8.635971	0.267439
H	3.092568	-7.739143	-1.279045
C	1.745378	-6.893993	0.247913
H	1.854601	-6.544063	1.274421
H	0.800139	-7.408339	0.074503
N	1.534513	-5.681683	-0.558116
H	2.414513	-5.189562	-0.498818
H	1.189224	-5.914762	-1.478197
H	0.933904	-5.036826	-0.064631
N	0.549062	-1.316353	-7.339060
O	1.722765	-1.580030	-7.102473
O	0.065906	-0.539297	-6.523082
O	-0.233175	-2.207776	-7.649779
C	-8.536664	-10.594626	0.271106
H	-7.767750	-10.997185	-0.388302
H	-8.172164	-10.660739	1.296225
H	-9.443134	-11.186868	0.145958
C	-8.963947	-9.133796	0.125344
H	-9.541029	-9.007212	1.041343
H	-9.648836	-9.043433	-0.717782
N	-7.894606	-8.124065	0.153482
H	-7.149215	-8.370713	-0.481858
H	-8.137900	-7.145771	0.091429
H	-7.496608	-8.223284	1.076440
N	-5.060635	-9.310273	-0.758144
O	-5.542370	-9.879977	0.214709
O	-4.032986	-8.708263	-0.467288
O	-5.924857	-8.780876	-1.448025
C	8.709244	0.305348	-0.726634
H	9.772994	0.416964	-0.516683
H	8.399594	0.838491	-1.625509
H	8.173520	0.873097	0.034129
C	8.283994	-1.158051	-0.602271
H	8.722640	-1.700043	0.235544
H	8.635722	-1.708695	-1.474727
N	6.815903	-1.245365	-0.571885
H	6.520453	-0.812567	-1.435305
H	6.390461	-2.160354	-0.615396
H	6.411970	-0.776957	0.226572
N	0.816605	-2.784895	-3.194829
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O	1.613245	-3.041462	-2.298942
C	-10.245353	-4.652714	3.726167

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C	-9.457960	-4.973307	2.455312
H	-10.094484	-5.138360	1.586005
H	-9.107610	-5.997155	2.586043
N	-8.372584	-4.013584	2.200884
H	-7.858031	-4.160977	1.344374
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H	-7.607965	3.334664	1.043593
C	-7.257428	2.441011	-0.816666
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H	-4.071715	4.242662	5.294783
H	-2.686803	4.365148	4.118095
C	-3.281012	2.441253	5.235068
H	-4.226162	1.928493	5.413583
H	-2.701183	2.584151	6.146922
N	-2.547887	1.358217	4.561717
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H	-1.620671	1.563444	4.217840
H	-2.397256	0.479330	5.036025
N	-1.491342	-6.356519	1.216782
O	-0.765958	-7.126992	1.835866
O	-1.193819	-6.160292	0.043730
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C	-7.421803	1.821349	4.541676
H	-7.143149	2.502449	5.345762
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N	-7.081697	-0.471004	3.707952
H	-6.765316	-1.365798	4.053418
H	-7.907436	-0.416348	3.128930
H	-6.323091	-0.063214	3.180386
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O	-6.111855	-2.250849	12.590053
O	-4.758301	-3.133922	13.970516
O	-5.211943	-1.136297	14.128007
C	-4.417568	-6.824461	11.044281
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H	-3.928919	-6.921694	10.074813
H	-3.716892	-7.199496	11.790271
C	-4.745671	-5.378025	11.415780
H	-5.202691	-5.506765	12.396933
H	-5.582150	-5.039776	10.804233
N	-3.495142	-4.613859	11.542540

H	-3.735795	-3.633023	11.554559
H	-2.936065	-4.863458	12.345804
H	-2.971168	-4.760422	10.691616
N	-6.847641	-3.176429	5.483448
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O	-7.260629	-3.152078	4.329358
O	-6.522721	-2.102232	5.977010
C	-1.379007	3.965081	0.930104
H	-1.784772	4.953337	1.146444
H	-1.535482	3.484635	1.895913
H	-0.330807	3.865446	0.648234
C	-2.156856	3.209004	-0.147458
H	-2.162638	3.602119	-1.164083
H	-3.209872	3.248116	0.131339
N	-1.753300	1.797829	-0.245279
H	-2.495440	1.492452	-0.858528
H	-0.905311	1.652481	-0.774324
H	-1.770071	1.282319	0.623092
N	-0.012519	0.657512	2.926774
O	-0.094181	1.752414	3.472298
O	-0.217810	-0.306495	3.655899
O	-0.607364	0.599357	1.856329
C	2.627895	1.626245	5.804780
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H	2.976793	1.434902	6.819550
H	3.338076	2.286029	5.306353
C	2.579461	0.249450	5.141507
H	3.577712	-0.160500	5.294918
H	2.450239	0.236386	4.059273
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H	1.830756	-1.550898	5.468046
H	1.825959	-0.727747	6.851355
H	0.706695	-0.305415	5.734068
N	-1.288487	-0.363750	7.335551
O	-0.507912	0.570460	7.190529
O	-2.024037	-0.573449	6.377391
O	-0.611279	-1.306846	7.729294
C	-6.392330	2.706426	13.899811
H	-6.840123	1.770809	14.234778
H	-5.652977	3.031266	14.631887
H	-7.258013	3.365142	13.969000
C	-5.918942	2.402077	12.478151
H	-5.451687	3.351562	12.216906
H	-6.657553	2.279871	11.685927
N	-5.070519	1.206201	12.360244
H	-4.873156	1.102733	11.375134
H	-4.211672	1.378725	12.862954
H	-5.513370	0.388888	12.755190
N	-3.255985	-4.112793	8.301179
O	-4.254881	-4.798541	8.488346
O	-2.375078	-4.270545	9.139149
O	-3.298679	-3.152821	7.539794
C	0.794019	3.386410	10.205897
H	1.613543	2.994989	9.603177
H	0.824626	4.474694	10.152978
H	1.007624	3.009242	11.206005
C	-0.583698	2.946357	9.709822
H	-0.705808	3.218155	8.661340
H	-1.404699	3.529476	10.126989
N	-0.838378	1.497704	9.690210
H	-0.077590	1.037303	9.211324
H	-0.981521	1.231920	10.654040
H	-1.704093	1.282524	9.216569
N	2.194923	-0.734751	9.483777
O	1.828249	-1.697418	10.148532
O	1.722877	0.367513	9.739245
O	2.405829	-0.912559	8.289215

C	-6.274370	-6.831644	-3.768265
H	-7.146432	-7.481806	-3.698282
H	-5.674318	-7.246033	-4.578401
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H	-7.723002	-5.431148	-4.485222
H	-6.141812	-4.852321	-4.632715
N	-7.112450	-4.673025	-2.703220
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H	-7.817546	-5.280576	-2.311020
H	-6.284758	-4.717661	-2.126130
N	-5.464085	-5.179974	0.124209
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O	-6.653877	-5.441776	0.261798
O	-5.212550	-4.122098	0.690516
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H	-2.963415	-10.601822	1.651799
H	-1.894274	-9.207178	1.625765
C	-3.546878	-9.067570	3.034454
H	-3.188065	-8.412349	3.828203
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N	-4.344885	-8.205709	2.148892
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N	-2.471505	-6.997116	6.232022
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O	-3.668472	-6.932308	5.974833
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H	2.369561	0.861840	1.228696
H	3.706650	1.128084	0.041610
H	2.176279	2.061414	-0.022857
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H	2.643986	0.095235	-1.779671
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N	2.534054	-1.399286	-0.313994
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H	3.500868	-1.404304	-0.021853
N	5.149653	-0.185336	1.970100
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O	4.784840	-0.921811	1.060379
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H	-4.904557	-8.428291	7.932482
H	-6.474161	-9.101586	8.308510
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C	-6.692514	-7.249564	7.587258
H	-6.543587	-6.821520	8.578570
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N	-6.062284	-6.374127	6.587128
H	-6.253412	-6.627448	5.628275
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O	2.670882	-4.950747	4.311679
C	-1.473980	-8.627202	-2.594129
H	-0.885519	-9.128017	-3.362893
H	-0.841849	-8.364876	-1.745780
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C	-2.218481	-7.378738	-3.068362
H	-2.950807	-7.681153	-3.816923
H	-1.643397	-6.727352	-3.726446

N	-2.827376	-6.563406	-2.006137
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O	0.721851	-6.365407	-4.930726
O	0.597285	-6.148350	-2.914071
C	-1.449796	-0.974476	16.417586
H	-0.561270	-1.584944	16.256492
H	-1.275888	0.071358	16.164430
H	-1.642829	-0.909897	17.488412
C	-2.581946	-1.689043	15.679025
H	-3.481703	-1.148152	15.972239
H	-2.534729	-2.695601	16.094609
N	-2.509243	-1.499274	14.222130
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H	-1.856650	-2.027426	13.660633
H	-3.327692	-1.967141	13.859720
N	-4.626951	1.838349	8.655408
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O	-4.828979	1.688056	9.855272
O	-3.459874	1.966009	8.302266
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H	-7.665063	-2.936062	8.574666
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H	-8.064076	-1.256909	9.032861
C	-5.982495	-1.840637	9.532289
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N	5.254219	-4.327629	-0.440564
O	5.464610	-4.052405	0.735473
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O	5.769212	-3.527175	-1.213306
C	2.533169	1.883007	-6.700961
H	1.728425	2.472740	-6.261983
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C	3.230333	1.106743	-5.583277
H	3.587110	1.645612	-4.705535
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H	1.524262	0.345608	-4.657008
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O	-8.082564	-1.990858	-3.670544
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H	-3.838041	-3.056901	2.959908
H	-3.490632	-4.472680	4.032750
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C	-2.037364	-2.977391	4.087149
H	-2.028164	-1.888285	4.044002
H	-1.425500	-3.553860	3.393315
N	-1.578979	-3.245817	5.458890
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N	0.711825	-3.545107	1.659981
O	0.693938	-4.621094	2.247355
O	0.385120	-3.566626	0.478509

O	1.647264	-2.803884	1.940373
C	-11.982095	-1.698017	-4.060919
H	-12.609461	-2.574517	-4.222967
H	-12.674820	-0.956899	-4.459638
H	-11.096353	-1.740475	-4.694762
C	-11.594404	-1.243720	-2.653385
H	-12.410503	-1.451542	-1.961364
H	-11.435480	-0.166263	-2.697311
N	-10.466012	-2.049052	-2.161434
H	-10.058159	-1.697848	-1.306794
H	-10.670728	-3.033620	-2.255335
H	-9.644313	-1.965182	-2.742704
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O	-0.637548	1.228994	12.545411
C	3.025542	-1.907935	13.561985
H	2.466599	-2.769882	13.926306
H	3.591663	-2.060924	12.643180
H	3.902619	-1.781443	14.196679
C	2.030133	-0.754270	13.435265
H	2.382285	0.240728	13.163110
H	1.512957	-0.686562	14.392367
N	0.953276	-1.055040	12.479359
H	0.213655	-0.384900	12.324529
H	1.330652	-1.219371	11.557035
H	0.532070	-1.941123	12.719241
N	-2.696921	-1.271325	10.692335
O	-3.494988	-1.883729	11.393139
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O	-3.227093	-0.759687	9.712427
C	4.301542	-2.985712	-5.684726
H	3.560251	-2.239352	-5.399184
H	5.339692	-2.658777	-5.743542
H	4.066654	-3.287375	-6.705475
C	4.287986	-4.215414	-4.776162
H	5.221784	-4.768670	-4.676017
H	3.468289	-4.853660	-5.106067
N	4.009482	-3.729667	-3.415895
H	4.502748	-2.868702	-3.227413
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H	4.255447	-4.377387	-2.681007
N	-4.204822	0.623633	-1.892298
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H	0.969938	-8.706738	6.224246
C	0.861627	-8.043632	4.202918
H	0.220709	-8.917751	4.087857
H	1.408271	-7.922274	3.267743
N	0.009691	-6.854647	4.358999
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H	-0.761687	-6.858177	5.010967
N	5.468454	-0.642581	-3.224591
O	5.681084	0.255527	-2.417580
O	4.296963	-0.999588	-3.167784
O	6.387090	-1.440837	-3.372820
C	6.223964	-4.601736	4.150435
H	5.557611	-5.404542	4.465992
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H	7.147636	-4.469767	4.713918
C	5.480998	-3.272978	4.008146
H	6.251440	-2.519460	3.844653

H	4.999853	-2.841519	4.885894
N	4.471023	-3.231255	2.939478
H	4.378195	-2.228101	2.867610
H	4.961334	-3.522954	2.106047
H	3.655408	-3.750056	3.232253
N	-0.034800	2.452267	-3.483635
O	-1.238335	2.568587	-3.686239
O	0.263430	2.187439	-2.324325
O	0.495882	1.739057	-4.327902
C	1.514739	-5.250324	9.351277
H	2.024341	-6.097896	8.892989
H	2.314056	-4.721079	9.870019
H	0.952085	-5.586288	10.222281
C	0.698002	-4.456970	8.330800
H	-0.013564	-4.993335	7.703037
H	1.348842	-4.036851	7.563984
N	0.089622	-3.330339	9.054966
H	-0.227903	-2.660444	8.369022
H	-0.785459	-3.525320	9.520064
H	0.702727	-2.883533	9.721725
N	-0.408774	-3.915460	13.066775
O	-1.488710	-4.340724	13.461698
O	-0.259896	-3.715978	11.866309
O	-0.107930	-2.988610	13.810762
C	0.194301	-5.489924	-7.868915
H	0.892649	-6.160531	-7.368219
H	-0.000288	-6.104355	-8.747955
H	0.733334	-4.598405	-8.189444
C	-0.997755	-5.083150	-7.002096
H	-1.469781	-6.007749	-6.669820
H	-1.669899	-4.581795	-7.698491
N	-0.548185	-4.189130	-5.923923
H	0.071715	-4.691384	-5.304597
H	-0.253618	-3.290033	-6.277415
H	-1.343929	-3.997831	-5.332066
N	-3.460290	-3.933980	-4.297805
O	-2.628616	-3.033581	-4.323836
O	-3.363682	-4.910395	-5.032895
O	-3.887008	-4.211384	-3.182442
C	-1.849832	-1.642839	0.236701
H	-1.915823	-2.039842	1.249684
H	-0.803112	-1.389071	0.069133
H	-2.347850	-0.676437	0.158304
C	-2.291463	-2.604613	-0.866836
H	-1.678298	-3.505652	-0.882846
H	-2.077627	-2.159361	-1.838497
N	-3.751302	-2.716432	-1.008985
H	-4.169325	-3.108362	-0.177272
H	-4.210233	-1.834893	-1.188908
H	-4.054645	-3.414021	-1.673404
N	-4.510442	0.510642	2.140014
O	-5.665211	0.782531	1.830726
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O	-3.721134	1.444135	2.046959

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>30</sub> conformer -2

Atomic Number	Atomic Coordinates (Angstroms)		
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H	-5.125307	-0.956371	-5.985653
H	-4.692262	0.416367	-4.940797
H	-5.189601	0.647990	-6.669281
C	-3.177966	-0.272378	-6.245656
H	-2.587831	0.564426	-5.872027
H	-3.003659	-0.421132	-7.311296
N	-2.858339	-1.606780	-5.715512
H	-3.423831	-2.251990	-6.248449
H	-1.875212	-1.809895	-5.604585
H	-3.155657	-1.663162	-4.751912
N	-8.250771	-5.863476	0.637101
O	-7.457116	-5.531650	-0.236443
O	-9.131010	-5.035695	0.844548
O	-8.036687	-6.560916	1.622404
C	1.001088	-10.106689	-4.694726
H	0.141245	-10.454125	-4.121962
H	0.939376	-10.488698	-5.713726
H	1.967065	-10.420038	-4.298745
C	1.132586	-8.596750	-4.493151
H	1.972511	-8.237651	-5.087856
H	1.309117	-8.456203	-3.426763
N	0.106466	-7.692980	-5.035479
H	0.058192	-6.737675	-4.711191
H	0.215558	-7.540191	-6.027878
H	-0.853090	-7.975026	-4.894763
N	0.877223	-1.954272	-6.911982
O	2.007506	-2.152266	-6.480317
O	0.125954	-1.365543	-6.142521
O	0.386556	-2.781019	-7.672779
C	-6.248778	-9.804642	-2.878082
H	-5.842824	-9.328749	-3.770734
H	-5.293024	-9.929681	-2.369160
H	-6.660658	-10.796480	-3.064394
C	-7.164361	-8.866317	-2.091256
H	-7.368068	-9.417136	-1.172996
H	-8.142831	-8.634758	-2.512060
N	-6.458312	-7.621404	-1.751362
H	-7.010719	-6.982887	-1.197068
H	-5.718206	-7.901576	-1.123789
H	-6.121525	-7.097352	-2.546374
N	-6.692425	-5.756954	-4.133686
O	-5.942340	-5.957628	-5.082463
O	-6.267338	-5.140840	-3.162717
O	-7.714557	-6.411145	-3.959452
C	5.740364	-2.909180	-0.828557
H	5.500031	-3.199789	-1.851243
H	5.611035	-1.826884	-0.831601
H	6.810603	-3.112538	-0.792032
C	5.144613	-3.563526	0.418340
H	5.454225	-2.925293	1.245926
H	5.421061	-4.596495	0.629647
N	3.680234	-3.424118	0.417545
H	3.283771	-3.364974	1.344594
H	3.366413	-2.572437	-0.025463
H	3.298510	-4.223462	-0.067672
N	-0.783546	-4.584855	-5.564709
O	-1.343188	-3.774242	-4.834788
O	-1.506017	-5.477626	-5.993746
O	0.371984	-4.841554	-5.245440
C	-5.331206	-9.123827	4.448072

H	-5.620676	-9.772165	3.621050
H	-4.257496	-8.957694	4.535512
H	-5.632311	-9.581859	5.390220
C	-6.058103	-7.802754	4.194638
H	-6.007739	-7.137704	5.056770
H	-7.128480	-7.993333	4.116714
N	-5.627890	-7.169044	2.938783
H	-5.980526	-6.230935	2.813488
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H	-5.948300	-7.622933	2.095324
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O	-3.836128	-8.681917	1.604080
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C	-4.396144	1.637844	-0.062450
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H	-3.848359	1.142431	-0.864072
H	-4.401524	2.723585	-0.158564
C	-5.852989	1.198298	0.086693
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H	-6.192146	1.587134	1.046838
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H	-11.602787	-5.718705	4.656843
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H	-0.293839	-2.067030	14.616885
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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>30</sub> conformer -3

Atomic Number	Atomic Coordinates (Angstroms)		
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H	-0.604910	-1.028253	-7.108146
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H	0.950973	-4.164938	3.112579
N	4.683891	-0.961417	-1.258986
O	5.272932	-2.036446	-1.238537
O	4.769403	-0.313310	-2.296156
O	3.559075	-1.068227	-0.783111
C	6.704325	-2.607601	5.346279
H	6.816392	-1.697053	5.934874
H	7.620908	-3.163660	5.543192
H	6.688542	-2.258088	4.313955
C	5.458916	-3.345985	5.837795
H	5.599925	-3.717702	6.852705

H	5.329684	-4.196168	5.168029
N	4.214438	-2.570733	5.719064
H	3.549057	-3.206007	6.135952
H	4.297548	-1.697760	6.220175
H	3.837364	-2.459566	4.788711
N	-1.844086	-1.945063	-4.302760
O	-2.703305	-1.331535	-3.679540
O	-2.192169	-2.926121	-4.950402
O	-0.696959	-1.653337	-3.983276
C	-1.617491	-7.964082	7.070635
H	-1.662135	-7.858007	5.986727
H	-0.595307	-7.954173	7.448974
H	-2.157006	-8.875395	7.328577
C	-2.168505	-6.741749	7.805567
H	-2.275062	-6.948240	8.870512
H	-3.154035	-6.503555	7.405450
N	-1.414747	-5.514482	7.506392
H	-1.887734	-4.846754	8.098441
H	-0.475256	-5.461237	7.873302
H	-1.500062	-5.294820	6.524266
N	-0.354918	-5.383508	11.066307
O	0.206439	-5.400050	9.976499
O	-1.494496	-5.834962	11.041257
O	-0.120293	-4.387071	11.740948
C	4.347395	-5.765140	-8.565765
H	3.304693	-5.927556	-8.838702
H	4.530649	-4.709936	-8.768404
H	5.132458	-6.066184	-9.259415
C	4.743236	-6.036000	-7.113944
H	5.723439	-5.587385	-6.952552
H	4.808935	-7.097455	-6.874992
N	3.789218	-5.332898	-6.242544
H	4.048659	-5.384323	-5.267790
H	3.588195	-4.398934	-6.570264
H	2.880882	-5.772632	-6.283282
N	0.457103	-5.966248	-6.809137
O	1.347396	-6.490156	-6.148853
O	-0.649872	-5.763630	-6.322692
O	0.774456	-5.102375	-7.619129
C	-5.714711	-3.423648	-5.133563
H	-5.057902	-2.886316	-5.817652
H	-6.529919	-3.838509	-5.726375
H	-6.183334	-2.660952	-4.511640
C	-5.102853	-4.515988	-4.255917
H	-4.723986	-5.288373	-4.925232
H	-5.901078	-5.018707	-3.709830
N	-3.964776	-4.223948	-3.370854
H	-3.879117	-5.036629	-2.777295
H	-3.209013	-4.160284	-4.037839
H	-4.026290	-3.348667	-2.870653
N	-4.243973	2.470854	1.503084
O	-4.212289	3.495638	0.830856
O	-3.993888	2.532821	2.701705
O	-3.885039	1.386475	1.057703

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>30</sub> conformer -4

Atomic Number	Atomic Coordinates (Angstroms)		
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H	0.249771	-2.959928	-8.632738
H	-1.527074	-3.373831	-8.637898
H	-0.917588	-1.831556	-9.397702
C	-1.074964	-1.747511	-7.381398
H	-2.069936	-1.325082	-7.241095
H	-0.445026	-0.858140	-7.364161
N	-0.745228	-2.378102	-6.093970
H	-1.401342	-3.137940	-5.983249
H	0.169942	-2.800811	-6.156250
H	-0.902513	-1.750938	-5.318065
N	-5.915889	-5.541274	-0.864332
O	-6.072220	-5.918827	0.291561
O	-5.031827	-4.744217	-1.157948
O	-6.828797	-5.687541	-1.669493
C	6.738198	-2.285647	2.708298
H	7.569726	-1.996601	2.065559
H	6.252552	-1.352396	2.993411
H	7.070508	-2.726929	3.647947
C	5.815152	-3.317008	2.058590
H	6.175381	-4.344776	2.103627
H	5.687462	-3.036887	1.012967
N	4.501221	-3.305094	2.719865
H	3.985007	-2.437117	2.735282
H	3.833021	-3.949417	2.321797
H	4.565615	-3.687429	3.652481
N	2.482003	-2.849911	-6.103671
O	1.714610	-1.953395	-5.771343
O	1.987691	-3.939527	-6.371008
O	3.629244	-2.805680	-5.673604
C	-5.251010	-6.679219	3.604003
H	-5.936471	-7.123196	4.325895
H	-5.224168	-7.222576	2.659470
H	-4.242050	-6.961390	3.904801
C	-5.547171	-5.189106	3.431690
H	-5.227387	-4.694184	4.348691
H	-6.595575	-5.013316	3.190763
N	-5.017795	-4.621144	2.182282
H	-5.225805	-3.670410	1.912214
H	-4.014420	-4.535096	2.105251
H	-5.313209	-5.227371	1.430405
N	-5.578225	-2.334320	-0.011467
O	-4.928508	-2.369650	1.027617
O	-5.177784	-1.540149	-0.855276
O	-6.779928	-2.504645	0.161670
C	3.444406	3.107306	3.266464
H	3.295448	2.667639	4.252672
H	4.450648	3.509863	3.382761
H	2.721917	3.914160	3.143601
C	3.201455	1.994789	2.246110
H	3.816781	1.216682	2.697798
H	3.577495	2.245651	1.254262
N	1.833676	1.454041	2.270898
H	1.412146	1.551159	3.183576
H	1.227969	1.772270	1.527965
H	1.898103	0.468699	2.058652
N	-0.664025	-3.306729	-2.726111
O	-1.834343	-3.365004	-2.365506
O	-0.155051	-3.890938	-3.676228
O	0.168207	-2.655188	-2.104855
C	-9.229382	-7.359112	-0.266544

H	-9.589721	-8.018046	0.523432
H	-9.612273	-7.854881	-1.158569
H	-8.163989	-7.438432	-0.482758
C	-9.575865	-5.871786	-0.191380
H	-10.634983	-5.617292	-0.151362
H	-9.166367	-5.420956	-1.095351
N	-8.874249	-5.126777	0.865283
H	-8.803930	-5.556715	1.776496
H	-7.914990	-4.946677	0.605501
H	-9.360455	-4.242106	0.832687
N	-9.445602	-6.307217	4.633490
O	-8.423349	-6.669388	5.205249
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O	-9.333870	-6.181169	3.419116
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H	-3.622683	-2.495791	4.740421
H	-3.580771	-1.155360	3.676450
H	-2.447995	-1.208206	5.121273
C	-4.541431	-0.670533	5.473951
H	-4.212535	0.314062	5.806366
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H	-5.675926	0.085542	3.883996
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H	-6.423813	-0.110775	5.317961
N	-11.519530	-2.618158	0.606036
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O	-11.180526	-2.733698	-0.566483
O	-11.379892	-3.594367	1.334455
C	-8.626277	5.901229	3.702498
H	-8.960214	6.833090	4.158809
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H	-9.025696	5.161801	4.396624
C	-7.103148	5.948179	3.827862
H	-6.535174	5.897107	4.756784
H	-6.860305	6.898698	3.352846
N	-6.475397	4.888307	3.023847
H	-5.552860	5.173403	2.727630
H	-6.461567	4.023997	3.546224
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O	-0.855654	-5.402666	1.077555
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O	-2.896890	-5.468160	0.450847
C	-9.167801	-5.911685	8.050733
H	-9.383594	-6.103323	9.101832
H	-9.775017	-5.078304	7.697371
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C	-7.661209	-5.650914	8.046112
H	-7.274306	-6.666339	8.131654
H	-7.380092	-4.982680	8.860076
N	-7.071717	-5.063061	6.833360
H	-7.410595	-4.155367	6.548137
H	-6.073566	-4.914964	6.876510
H	-7.320509	-5.727906	6.114900
N	-4.579687	-4.127830	11.010193
O	-3.538589	-4.676571	10.666573
O	-4.623659	-2.903354	11.052646
O	-5.540439	-4.795097	10.643061
C	-4.393517	-8.919155	8.363797
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H	-5.244012	-9.548701	8.625391
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C	-4.389938	-7.725016	9.318711
H	-4.081891	-8.189261	10.255559
H	-5.350952	-7.243691	9.500037
N	-3.288945	-6.775703	9.094076

H	-3.385230	-6.410962	8.157170
H	-3.275179	-5.960693	9.690456
H	-2.348993	-7.142785	9.051174
N	-3.794857	2.030355	2.510585
O	-3.349306	1.575890	3.558450
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C	-4.968238	1.597992	-1.865243
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H	-5.128488	1.276564	-2.894371
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C	-4.521746	3.043075	-1.641145
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N	-4.575514	3.487018	-0.239765
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H	-3.919772	2.928000	0.287116
N	-0.852833	2.250486	-0.011911
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H	-0.099222	-4.354451	4.061486
H	-1.651567	-3.948715	4.702950
H	-0.799842	-2.771804	4.164663
C	-0.225210	-3.447511	6.213555
H	-0.984867	-2.817679	6.676516
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H	-3.175487	2.664305	8.726417
H	-3.208361	4.461131	8.839409
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C	-2.726787	3.740592	6.916216
H	-1.643125	3.624896	6.896473
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N	-3.162786	2.815169	5.859174
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O	-7.834293	-2.304195	6.331190
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H	2.013143	1.434131	10.001181
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C	1.737293	0.740980	7.931145
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N	0.927752	1.067129	6.747038
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H	-0.035191	0.777024	6.840197
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C	-9.964713	0.075553	-2.268181
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H	-8.220421	-1.451636	0.330640
H	-9.057748	0.039354	0.357688
H	-9.752831	-1.292401	0.037992
N	-1.793864	-7.104601	5.256871
O	-2.629909	-7.998320	5.183600
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C	1.638558	-9.061411	2.383196
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H	2.485339	-9.068523	1.696893
H	2.030978	-8.771165	3.357806
C	0.567384	-8.079871	1.906744
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H	0.077769	-8.267423	0.951129
N	1.178829	-6.742004	1.916183
H	0.519714	-6.008123	1.699189
H	1.724555	-6.508367	2.733310
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N	2.985786	-0.970124	4.515602
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O	2.925321	-1.865677	5.350710
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H	0.411588	6.990724	1.437709
H	0.696926	5.896663	2.757792
H	1.128788	5.329687	1.263676
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O	5.352600	-5.198515	6.672962
O	5.646538	-3.985082	4.983719
C	-13.232614	-2.937199	5.379152
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N	2.613616	-5.777791	5.019928
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C	-2.717665	-8.243049	-1.795375
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H	-1.769752	-8.642662	-1.435001
C	-2.624215	-6.941881	-2.592916
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H	-0.833768	-2.375493	13.627211
C	-1.328198	-2.157455	11.433439
H	-0.450985	-1.576413	11.148855
H	-2.225293	-1.557504	11.586347
N	-1.522508	-3.016970	10.255595
H	-0.649559	-3.520349	10.187264
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H	-1.564333	-2.419139	9.442606
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H	-7.164649	-2.277568	10.799508
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H	-7.082966	-0.489795	8.251449
N	-5.272726	-1.331414	8.992506
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O	3.668710	-7.186671	0.526497
C	1.915508	1.894359	-3.335819
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H	1.029720	2.320938	-3.806468
H	1.993933	2.172059	-2.284708
C	1.907519	0.365380	-3.336835
H	2.793160	0.192917	-2.725283
H	2.082061	-0.133962	-4.289878
N	0.644741	-0.129983	-2.767758
H	0.161582	0.380438	-2.042411
H	-0.064453	-0.259608	-3.475106
H	0.667526	-1.086470	-2.444162
N	-7.244122	1.722687	1.410445
O	-6.808812	2.528390	0.595322
O	-6.918996	1.970214	2.566343
O	-8.388549	1.298996	1.292764
C	-0.353817	-1.389879	0.687718
H	0.222985	-2.128303	1.244611
H	0.173044	-1.244147	-0.255298
H	-0.211517	-0.524116	1.334483
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H	-2.312307	-1.835057	1.588609
H	-1.902843	-2.660438	-0.016930
N	-2.710745	-0.822443	-0.086631
H	-2.402377	-0.531805	-1.003441
H	-3.518571	-1.422885	-0.170224
H	-2.997980	-0.039080	0.482524
N	0.369572	3.502749	4.935997
O	0.929600	3.659954	6.015225
O	-0.676527	4.087998	4.678634

O	0.491234	2.477720	4.274491
C	-11.092822	2.615705	4.002596
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C	-10.482922	1.308860	4.510552
H	-10.848792	0.457800	3.936149
H	-10.584928	1.329273	5.595576
N	-9.050651	1.249714	4.180486
H	-8.522183	2.039038	4.523689
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H	5.449989	-4.745360	9.357189
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H	6.125564	-5.910355	10.372247
C	4.520817	-6.766971	9.376709
H	3.921527	-7.341861	10.082722
H	5.320599	-7.417696	9.023147
N	3.677100	-6.501051	8.201435
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H	3.316952	-7.326735	7.744664
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C	4.712911	-4.110644	-2.498497
H	5.355464	-3.979610	-3.369160
H	5.126945	-3.696778	-1.579046
H	4.763615	-5.168292	-2.239829
C	3.301859	-3.650903	-2.866482
H	2.906868	-4.076964	-3.788737
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N	2.429423	-3.987653	-1.731011
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H	2.870640	-4.106112	-0.830237
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O	3.451932	-2.190790	0.311059
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H	3.782628	-2.410387	6.328538
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H	-0.521813	-10.656640	8.173300
H	-1.703452	-10.184592	7.001142
H	-1.121334	-11.839726	6.905141
C	0.215629	-10.229793	6.186325
H	-0.095252	-10.202745	5.141949
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H	1.509213	-8.606962	6.074636
H	0.054237	-8.225051	5.989337
H	0.685180	-8.759087	7.520366
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H	3.133853	-7.847544	-4.849476
H	2.930418	-8.369120	-6.535240
C	1.168405	-7.307906	-5.673194
H	0.636751	-7.929337	-4.952591
H	0.558370	-7.349829	-6.575524
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O	-2.977910	-5.315967	-4.987799
O	-1.395901	-5.487144	-6.167292
O	-2.767977	-4.004783	-6.496405
C	-5.949826	-3.139326	-5.394273
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H	-5.395833	-3.967804	-5.835651
H	-6.890655	-3.203432	-5.940929
C	-5.887654	-3.457366	-3.900009
H	-6.404612	-4.391524	-3.680459
H	-6.459915	-2.720535	-3.336364
N	-4.464510	-3.406867	-3.531293
H	-4.031526	-4.027689	-4.200027
H	-4.186619	-2.441677	-3.637523
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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>30</sub> conformer -5

Atomic Number	Atomic Coordinates (Angstroms)		
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H	0.235709	-2.839745	-8.211876
H	-0.911120	-1.507969	-8.059382
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H	0.387263	-2.686474	-5.830771
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O	-7.391871	-3.491701	-1.176502
O	-5.487589	-3.962101	-1.905151
C	7.271325	-2.361284	7.874351
H	8.194203	-2.186815	8.427484
H	6.814667	-3.274680	8.255495
H	7.482096	-2.760904	6.882393
C	6.408413	-1.124418	8.126117
H	6.959274	-0.244929	7.792724
H	6.230246	-0.900326	9.177849
N	5.261150	-1.121203	7.205455
H	4.604565	-0.381895	7.411414
H	5.337697	-0.889084	6.225475
H	4.817651	-2.027085	7.258258
N	2.039374	-3.967211	-5.060545
O	1.860295	-4.817779	-4.195941
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H	-5.470614	-7.314323	3.547719
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N	-4.958379	-0.688182	-0.352353
O	-5.181408	-0.561402	-1.551212
O	-4.212057	0.146058	0.147768
O	-5.543936	-1.494138	0.362233
C	3.654195	2.503822	1.646794
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H	4.026990	3.174983	2.420530
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C	2.464689	1.631381	2.048991
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H	1.408461	3.129432	2.957498
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O	-0.632220	-2.288246	-2.585066
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O	-2.498485	-2.857106	-1.958194
C	-10.882197	-6.260262	-2.680936

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H	-10.838924	-7.209324	-2.146607
C	-9.659349	-5.510473	-2.151501
H	-9.418734	-4.558385	-2.624505
H	-8.748405	-6.108630	-2.129438
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H	-8.515426	4.440231	4.095696
H	-8.673411	2.848512	4.967498
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H	-8.044813	-2.335239	-0.111419
N	-3.283934	-6.826050	5.903639
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N	0.055112	-8.307559	0.871370
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O	4.149637	-3.556852	7.433638
O	4.027996	-3.487573	9.438912
C	-12.709662	-7.415383	4.425532
H	-12.569195	-6.971524	5.411107
H	-13.453129	-8.202463	4.551476
H	-11.787351	-7.970031	4.252880
C	-13.024878	-6.277101	3.454556
H	-13.902342	-5.729690	3.798790
H	-13.243935	-6.678112	2.464958
N	-11.789899	-5.557558	3.106813
H	-11.064862	-6.170990	2.763124
H	-11.914525	-4.854150	2.392820
H	-11.440555	-5.157417	3.965852
N	5.977559	0.249785	4.347525
O	5.218389	0.669401	3.481120
O	6.103881	0.863574	5.401271
O	6.067262	-0.967410	4.463567
C	-4.048456	-7.696065	-2.540867
H	-3.984195	-8.394165	-3.375509
H	-3.534625	-8.168776	-1.703836
H	-5.097237	-7.546989	-2.284088
C	-3.380792	-6.367026	-2.895440
H	-3.892956	-5.999551	-3.784681
H	-2.387541	-6.659267	-3.236245

N	-3.232457	-5.490618	-1.723371
H	-2.695198	-4.672801	-1.973627
H	-4.138737	-5.276625	-1.332264
H	-2.766054	-5.986527	-0.977286
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O	-0.835028	-8.730525	-1.770253
O	-0.370335	-8.664550	-3.792874
O	0.573786	-7.383071	-2.525692
C	1.157961	-2.637552	11.509442
H	0.672241	-3.608868	11.602832
H	2.193995	-2.825147	11.791476
H	0.807739	-2.101446	12.391505
C	0.924714	-1.839792	10.226081
H	1.517309	-0.938991	10.385737
H	-0.106899	-1.512820	10.095832
N	1.606106	-2.517392	9.112347
H	2.578614	-2.747848	9.258015
H	1.180459	-3.400122	8.867989
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N	-3.736332	2.054304	5.809850
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C	-5.172957	1.331242	9.983024
H	-5.330106	2.157666	9.289894
H	-6.152576	0.967315	10.292871
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H	-4.408541	-0.620141	9.891353
H	-3.405749	0.598839	9.256641
N	-4.942150	0.072078	7.845882
H	-4.164968	-0.195795	7.259084
H	-5.527794	-0.746378	7.760722
H	-5.409930	0.913005	7.539084
N	2.442360	-7.172697	3.063944
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O	2.232846	-7.752701	2.004334
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C	2.821676	1.884794	-3.305827
H	3.671609	2.369927	-3.785783
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H	3.078275	1.902052	-2.246601
C	2.627731	0.474861	-3.864679
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N	1.404374	-0.190158	-3.390350
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H	1.263547	-1.166109	-3.608954
N	-8.145232	1.242476	2.262774
O	-8.219158	0.071124	1.908451
O	-9.172928	1.658103	2.786386
O	-7.068073	1.607002	2.720952
C	-1.249040	-1.781239	1.067657
H	-0.788920	-2.033786	2.022964
H	-2.293926	-1.988597	1.298561
H	-0.814969	-2.612501	0.512061
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H	0.215191	-0.327366	0.319790
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H	-1.194224	-1.121084	-1.504691
H	-2.495569	-0.168634	-0.777521
H	-1.099686	0.449700	-1.413163
N	1.137565	4.294582	4.794694
O	0.555053	4.727997	5.782574
O	0.608698	4.529626	3.713893

O	1.752757	3.251999	4.988690
C	-12.254722	0.290814	4.281054
H	-12.071596	0.006538	5.317274
H	-11.756062	1.239775	4.083795
H	-13.300188	0.345737	3.977597
C	-11.591423	-0.724636	3.350068
H	-11.558713	-0.358381	2.323966
H	-12.053447	-1.707124	3.446762
N	-10.160336	-0.782753	3.685414
H	-9.676527	0.084185	3.499820
H	-9.951960	-1.100443	4.621230
H	-9.835745	-1.442422	2.992900
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O	1.670684	-1.276451	6.779091
C	4.571904	-6.106890	11.566334
H	5.020858	-5.496752	10.782579
H	4.660325	-5.467062	12.444345
H	5.055961	-7.070066	11.727834
C	3.064984	-6.310886	11.406900
H	2.627602	-5.313185	11.369622
H	2.632930	-6.689227	12.333337
N	2.646465	-6.949532	10.149595
H	1.703325	-7.274350	10.307965
H	2.581579	-6.248875	9.425047
H	3.268616	-7.704865	9.899594
N	3.745367	1.030850	9.117788
O	2.938461	1.801710	8.610093
O	3.465019	-0.158138	9.013922
O	4.896476	1.211310	8.736397
C	3.608316	-4.930646	-1.543301
H	4.374085	-5.576587	-1.113814
H	3.559080	-5.434435	-2.508636
H	3.980630	-3.911790	-1.650142
C	2.327976	-5.020611	-0.712351
H	2.455379	-4.545190	0.260193
H	2.088459	-6.046995	-0.434380
N	1.136118	-4.505129	-1.403432
H	0.968074	-4.949980	-2.294481
H	0.286367	-4.718098	-0.900772
H	1.240989	-3.512568	-1.558112
N	-7.980184	-3.816687	2.306475
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O	-7.755161	-4.572886	3.244879
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H	5.601790	-4.422399	3.480774
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C	3.952200	-3.208811	3.493535
H	4.145195	-3.291058	4.563155
H	3.175375	-3.917931	3.207543
N	3.589957	-1.857495	3.039040
H	3.514326	-1.745096	2.038167
H	2.695527	-1.519251	3.364134
H	4.262312	-1.239171	3.469987
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O	3.263916	-0.958591	0.482276
O	1.919179	-1.819777	-0.976591
C	6.039349	-7.748913	4.904557
H	6.411249	-8.585766	5.495715
H	5.244495	-8.172151	4.290408
H	6.870297	-7.396085	4.293707
C	5.396367	-6.640190	5.738311
H	5.566661	-5.761098	5.116782

H	6.033445	-6.269168	6.541165
N	4.041428	-6.856538	6.268571
H	3.276607	-6.980284	5.620624
H	4.106474	-7.666808	6.868014
H	3.755658	-6.077194	6.843948
N	-2.065674	0.092693	-4.379917
O	-2.975360	-0.187357	-3.607182
O	-0.955539	0.221352	-3.875810
O	-2.097407	-0.509473	-5.447374
C	-1.301390	-11.166578	9.077805
H	-0.415124	-11.799956	9.116092
H	-1.526048	-10.667582	10.020478
H	-2.064571	-11.899889	8.817210
C	-1.146587	-10.084990	8.008205
H	-2.147380	-9.661019	7.925979
H	-0.706987	-10.464854	7.085950
N	-0.283315	-9.009150	8.519254
H	-0.614771	-8.702692	9.422758
H	0.671045	-9.332268	8.589205
H	-0.221285	-8.189669	7.932138
N	-1.108871	-7.212603	11.042062
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O	0.080328	-7.374717	10.791858
O	-1.386931	-6.060534	11.355900
C	2.397222	-7.666053	-5.503179
H	2.718553	-8.578490	-6.005481
H	3.104269	-6.839572	-5.574688
H	2.281957	-7.938434	-4.454073
C	1.102845	-7.293884	-6.227001
H	0.496421	-8.197872	-6.170816
H	1.248036	-6.968758	-7.257201
N	0.253934	-6.491289	-5.333115
H	0.187294	-7.195277	-4.611963
H	0.901805	-5.792342	-4.998698
H	-0.719122	-6.263306	-5.479014
N	-2.596360	-4.845764	-5.933113
O	-1.907515	-4.394962	-6.841599
O	-2.237939	-5.963125	-5.577988
O	-2.935670	-4.005696	-5.107140
C	-6.121452	-1.632013	-5.779729
H	-5.677259	-2.363204	-6.455120
H	-7.147892	-1.522844	-6.129876
H	-5.537144	-0.733326	-5.977331
C	-6.115089	-2.171339	-4.349020
H	-6.328805	-3.240182	-4.348393
H	-6.915435	-1.699938	-3.778646
N	-4.795392	-2.180338	-3.699282
H	-4.424694	-1.248846	-3.576791
H	-4.948939	-2.714846	-2.856177
H	-4.027115	-2.677685	-4.126477
N	-5.060736	5.045848	2.056695
O	-5.337425	3.851630	2.037657
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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>30</sub> conformer -6

Atomic Number	Atomic Coordinates (Angstroms)		
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H	3.081951	-6.308116	-10.819743
H	1.615873	-6.780518	-10.069306
H	1.913337	-5.101702	-10.402222
C	3.095906	-5.851100	-8.688341
H	3.915358	-5.132676	-8.666736
H	3.594202	-6.806930	-8.526510
N	2.258393	-5.352762	-7.586492
H	2.802770	-5.247339	-6.742312
H	1.798486	-4.458033	-7.676190
H	1.618198	-6.116017	-7.420083
N	-3.952987	-3.698829	-4.185351
O	-2.728026	-3.749191	-4.182185
O	-4.416350	-4.601381	-3.497041
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C	5.359704	-4.970798	4.553341
H	4.426915	-5.534043	4.580904
H	5.271332	-4.267271	3.725487
H	6.255117	-5.580431	4.432168
C	5.566401	-4.108299	5.798817
H	6.492144	-3.544851	5.682085
H	5.689153	-4.678546	6.719605
N	4.415764	-3.202892	5.940638
H	3.641362	-3.786057	6.224046
H	4.616386	-2.530701	6.667281
H	4.153574	-2.711764	5.097934
N	3.885832	-5.133751	-4.538128
O	3.794695	-3.916958	-4.657224
O	3.891427	-5.829136	-5.547823
O	3.482133	-5.600855	-3.478922
C	-7.906541	-2.972702	-3.778705
H	-7.278421	-2.292094	-4.353456
H	-8.562998	-3.509882	-4.463250
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C	-7.271410	-3.806157	-2.665242
H	-6.947705	-4.799663	-2.975503
H	-7.987684	-3.984038	-1.863114
N	-6.212656	-3.072423	-1.954949
H	-5.451667	-2.760113	-2.541001
H	-6.586873	-2.389677	-1.311583
H	-5.803715	-3.709453	-1.286323
N	-8.684321	-0.236128	-1.321670
O	-8.583702	0.660647	-0.491763
O	-7.736868	-0.337858	-2.093071
O	-9.549479	-1.098760	-1.219471
C	2.701814	1.667222	0.136727
H	2.899923	2.651031	-0.288682
H	3.391153	1.463110	0.956025
H	3.130843	0.959789	-0.572902
C	1.221823	1.327044	0.314906
H	0.806874	1.046902	-0.653308
H	0.718662	2.239771	0.634057
N	1.100613	0.040555	1.017826
H	1.876340	-0.189423	1.622357
H	0.201450	-0.099813	1.455894
H	1.010326	-0.640713	0.277677
N	0.355669	-4.468572	-4.008728
O	0.246674	-3.266658	-3.792855
O	0.598771	-4.875282	-5.139464
O	0.264621	-5.315259	-3.126738
C	-11.504325	-4.116724	-2.266836

H	-10.674519	-3.679276	-2.821960
H	-11.106560	-5.123619	-2.140169
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C	-11.718573	-3.355310	-0.958329
H	-12.397730	-3.839738	-0.256777
H	-12.041235	-2.329590	-1.136892
N	-10.521918	-3.118233	-0.136349
H	-9.970314	-2.395798	-0.576715
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C	-4.554589	-0.924628	1.232572
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C	-5.634107	6.239575	5.239848
H	-6.103460	7.209363	5.074565
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C	-6.712008	5.155446	5.265058
H	-7.129994	5.164706	4.258429
H	-7.588814	5.292795	5.897866
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H	-5.607993	3.808536	6.415419
H	-6.706216	3.117993	5.439798
H	-5.262527	3.762562	4.862081
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O	-4.774561	-4.385477	-0.248392
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O	-2.975858	-5.243373	0.308930
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H	-5.583067	-7.401732	-0.189769
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H	-6.247406	-6.023842	2.248209
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O	-1.702178	-0.014592	8.304671
O	-2.834782	-1.595475	9.056803
C	-4.603775	-3.183242	13.086158
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H	-5.213096	-4.018341	12.740562
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C	-4.171790	-2.353698	11.876577
H	-3.699358	-1.459798	12.283824
H	-5.015444	-2.094985	11.236720
N	-3.103293	-3.087484	11.181081

H	-3.257781	-4.030639	10.854445
H	-2.823931	-2.409786	10.486256
H	-2.395089	-3.293332	11.871135
N	-2.997378	2.397943	5.314372
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O	-2.903480	3.350206	4.547916
C	-6.070164	3.951506	-2.760706
H	-5.196379	3.551505	-3.275098
H	-6.844424	3.353104	-3.240849
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C	-6.055881	3.689290	-1.254426
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H	-5.233260	4.253384	-0.814889
N	-6.101961	2.253605	-0.937368
H	-6.126172	2.005631	0.041419
H	-6.775595	1.773647	-1.516987
H	-5.227155	1.973152	-1.357083
N	-2.788683	2.369680	-0.837882
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H	1.005160	-1.961112	7.468909
C	-0.420883	-1.731464	5.676496
H	-1.279022	-1.844121	6.339072
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H	0.071511	-0.744123	4.039811
N	-4.535667	-2.125927	5.303476
O	-4.767156	-2.536404	6.435288
O	-3.452283	-1.564698	5.183574
O	-5.481202	-1.683717	4.660445
C	1.475414	3.251805	8.647101
H	1.938838	3.131759	7.667853
H	1.124512	4.282915	8.604913
H	2.167810	3.223071	9.488447
C	0.395338	2.169833	8.622327
H	-0.192322	2.060862	9.533854
H	0.727485	1.158735	8.386831
N	-0.612715	2.325247	7.562367
H	-1.075769	1.467022	7.299440
H	-1.302346	3.036890	7.757494
H	-0.290530	2.691803	6.678097
N	-6.017287	-6.555897	4.512155
O	-6.242208	-6.150764	5.647212
O	-7.017181	-6.499349	3.804986
O	-5.030539	-6.002661	4.039573
C	4.212352	3.162668	5.121325
H	3.168326	3.464613	5.204627
H	4.771674	3.205049	6.055917
H	4.747180	3.938549	4.573540
C	4.081424	1.783524	4.474285
H	5.109081	1.482032	4.271495
H	3.553023	1.972075	3.539758
N	3.288929	0.811824	5.243435
H	3.580990	-0.133004	5.038248
H	3.449647	0.918945	6.234796
H	2.306905	1.011440	5.117419
N	-0.480330	-4.757060	9.576102
O	0.344188	-5.661740	9.645378
O	-0.118519	-3.709712	9.051477
O	-1.680657	-5.003645	9.537550

C	-9.616868	2.967800	2.017482
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C	-9.992847	1.501738	2.234611
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H	-9.124404	-0.259657	2.640950
H	-8.571026	0.344803	1.252277
H	-8.016833	0.925502	2.691217
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O	-5.009673	-4.954377	9.552559
O	-5.206654	-6.970016	10.217974
O	-3.847019	-5.633963	11.135083
C	-2.840579	-7.146370	7.451571
H	-1.958678	-7.725012	7.176755
H	-2.828061	-7.223353	8.538777
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C	-2.878523	-5.736621	6.860799
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H	-4.130119	-3.995784	6.732903
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O	0.361071	-8.557592	9.665432
O	0.966117	-8.397696	11.587334
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H	-1.032865	6.164370	0.404201
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C	-1.682213	4.813257	1.882003
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O	4.430389	-3.483070	8.781749
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O	3.525758	-4.953429	9.933410
C	-12.026397	-6.692028	3.143825
H	-11.865831	-7.256690	2.225415
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H	-12.320048	-5.675291	2.882835
C	-10.703415	-6.712221	3.910083
H	-10.424852	-7.645032	4.400354
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N	-9.608356	-6.030558	3.202961
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O	1.661413	-1.297687	3.272815
O	3.497609	-1.623715	4.110118
C	-3.746149	-7.925064	-2.386493
H	-4.167109	-8.635173	-3.098278
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C	-2.540650	-7.223490	-3.012918
H	-2.732450	-7.096640	-4.078386
H	-1.662938	-7.869147	-2.983791

N	-2.252907	-5.981779	-2.278616
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H	-2.964816	-5.268698	-2.347918
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O	0.752959	-7.180757	-1.377623
O	1.125245	-5.808093	0.099119
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H	2.321876	-0.078537	11.224122
H	2.327916	-0.739987	12.931613
H	3.626923	-1.053602	11.816502
C	1.841311	-2.118778	11.244088
H	0.784270	-1.914449	11.414426
H	2.147178	-3.009433	11.792977
N	1.928724	-2.411246	9.805108
H	2.015208	-1.490893	9.398205
H	2.795820	-2.885041	9.595917
H	1.172168	-2.960435	9.422858
N	-3.222709	4.008655	7.929074
O	-2.249975	4.479174	7.349870
O	-4.362629	4.237280	7.539985
O	-2.986396	2.876589	8.336086
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H	-6.595943	-1.138401	8.804987
H	-6.976665	-0.173770	10.244169
C	-5.252845	0.599457	8.992206
H	-4.408213	0.295172	9.610355
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H	-5.200096	0.448202	6.890909
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O	-1.821502	-2.557842	2.810463
O	-1.153302	-0.782068	2.041053
C	4.340206	0.451606	-5.879647
H	4.285245	1.148696	-5.043497
H	5.224127	0.590990	-6.502026
H	3.612548	0.704819	-6.650683
C	4.153810	-1.025144	-5.529925
H	4.830748	-1.477129	-4.804968
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N	2.746944	-1.326833	-5.224060
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O	-7.460855	1.915441	6.144773
O	-7.907203	0.090431	5.085045
O	-7.450113	1.870721	4.166890
C	-1.251621	-0.117736	-2.985146
H	-0.947896	-0.437826	-3.981838
H	-1.894492	0.743236	-3.168294
H	-0.419366	0.333262	-2.444727
C	-2.007797	-1.113139	-2.104685
H	-2.875751	-1.509824	-2.631370
H	-2.526240	-0.668481	-1.255217
N	-1.120375	-2.239571	-1.776853
H	-0.793645	-2.674265	-2.627963
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N	0.511262	2.230865	4.116996
O	0.261360	1.449542	3.205865
O	0.895921	1.779318	5.189945

O	0.721881	3.401993	3.821741
C	-8.969463	-2.893368	6.720964
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H	-9.105867	-3.300244	7.722934
H	-8.733851	-1.861151	6.980031
C	-7.985063	-3.467131	5.701359
H	-8.204226	-4.424572	5.228734
H	-6.956120	-3.492129	6.060177
N	-7.897765	-2.546275	4.557574
H	-7.725179	-2.994182	3.668926
H	-8.752732	-2.024672	4.426955
H	-7.246269	-1.829089	4.842702
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O	1.512830	-4.999237	3.850212
O	1.960422	-4.475797	5.842211
O	0.217844	-5.535206	5.303889
C	2.702860	-7.088978	14.155068
H	1.749308	-6.993406	14.674401
H	2.506511	-8.076706	13.738005
H	3.504511	-7.198044	14.885521
C	3.069250	-6.133741	13.018793
H	4.017697	-6.337402	12.521733
H	3.260707	-5.163447	13.477021
N	2.075557	-6.015308	11.940651
H	2.452603	-5.647378	11.078930
H	1.725071	-6.899403	11.600599
H	1.346976	-5.454782	12.359077
N	3.783688	-0.043198	8.177602
O	3.119349	0.018185	9.206175
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C	-1.521005	-7.089273	3.219269
H	-2.302873	-7.390461	3.916455
H	-1.792635	-7.799350	2.438175
H	-0.549947	-7.321081	3.656775
C	-1.557985	-5.574521	3.014323
H	-1.562330	-4.958844	3.913779
H	-2.513003	-5.230866	2.616905
N	-0.555975	-5.060812	2.067793
H	-0.940359	-4.151199	1.855770
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H	-0.538177	-5.627894	1.232209
N	-7.245452	-2.812226	1.426054
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C	3.679888	-3.537496	0.611736
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H	3.383894	-2.494883	0.495779
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C	3.768851	-4.231855	-0.747599
H	3.989426	-5.280441	-0.547815
H	4.510967	-3.888110	-1.468156
N	2.484370	-4.259686	-1.463961
H	2.142168	-3.328273	-1.652290
H	2.617421	-4.727698	-2.349038
H	1.750136	-4.707308	-0.934210
N	2.282078	-0.955692	-1.925604
O	3.378580	-1.468134	-2.120959
O	1.564462	-1.494787	-1.090451
O	1.874419	-0.298119	-2.876649
C	1.498087	-8.790484	5.788596
H	1.776457	-9.077216	4.774497
H	1.452665	-9.673889	6.425490
H	0.536888	-8.317952	5.586337
C	2.496751	-7.778600	6.351271
H	2.629814	-7.057538	5.544757

H	3.445336	-8.302875	6.467121
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H	1.113270	-6.554716	7.401766
H	1.969141	-7.654238	8.346889
H	2.624511	-6.296225	7.626878
N	1.357884	-2.204091	-8.068388
O	2.472535	-2.679275	-7.881759
O	0.477646	-3.057063	-8.041993
O	1.141096	-1.224846	-7.363293
C	-2.604823	-9.411919	11.258966
H	-2.923609	-10.368771	11.672377
H	-3.433534	-8.943814	10.727728
H	-1.838804	-9.693702	10.536531
C	-2.245587	-8.318323	12.265365
H	-1.535590	-8.626061	13.033025
H	-3.142494	-7.943974	12.758845
N	-1.576544	-7.256610	11.497909
H	-1.270218	-6.618501	12.218382
H	-0.804868	-7.467947	10.881506
H	-2.192946	-6.732131	10.893699
N	-0.550014	-4.437149	13.676137
O	-0.953984	-5.579154	13.487165
O	-1.238125	-3.596379	13.108083
O	0.661805	-4.289990	13.562501
C	3.205813	-9.229200	-5.240603
H	3.534322	-10.267786	-5.201597
H	2.599483	-9.058963	-6.130257
H	4.063411	-8.609542	-5.502612
C	2.405113	-8.951935	-3.967872
H	3.071722	-8.890893	-3.107637
H	1.701928	-9.755915	-3.750509
N	1.713031	-7.654144	-3.943341
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H	1.295745	-7.364418	-3.070397
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N	-0.411515	-7.830382	-6.303198
O	-0.430115	-8.444147	-5.242056
O	0.685238	-7.548367	-6.772960
O	-1.308554	-7.036461	-6.564132
C	-2.907543	-2.190939	-7.109334
H	-3.747768	-1.829995	-7.702495
H	-3.144906	-1.886692	-6.089926
H	-2.107447	-1.555137	-7.488415
C	-2.707790	-3.703814	-7.204990
H	-2.629184	-4.082747	-8.223976
H	-3.474930	-4.379592	-6.826941
N	-1.425931	-4.145378	-6.634291
H	-0.593038	-3.626211	-6.872733
H	-1.399375	-4.055286	-5.628668
H	-1.301089	-5.136633	-6.782374
N	-5.856032	3.641667	2.149502
O	-4.881590	3.464443	2.872088
O	-6.354723	4.718349	1.841054
O	-6.380599	2.664543	1.626880

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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>30</sub> conformer -7

Atomic Number	Atomic Coordinates (Angstroms)		
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H	2.405605	-3.607572	-10.597685
H	2.644690	-4.952558	-9.352574
C	1.370365	-3.241600	-8.705180
H	0.663769	-2.526712	-9.126793
H	2.115518	-2.492054	-8.438669
N	0.752507	-3.901598	-7.544795
H	1.543523	-4.272152	-7.037761
H	0.387832	-3.101865	-7.047263
H	-0.045086	-4.518183	-7.606182
N	-3.636556	-3.491145	-2.547979
O	-3.194914	-2.385178	-2.839294
O	-3.001123	-4.494753	-2.851410
O	-4.844497	-3.669474	-2.658228
C	5.636374	0.479433	5.711855
H	5.129338	0.271013	4.769742
H	5.630609	1.555715	5.884141
H	6.672516	0.169608	5.575769
C	5.328339	-0.555267	6.794606
H	5.838909	-0.255404	7.709757
H	5.589567	-1.542855	6.414435
N	3.881727	-0.645636	7.045581
H	3.328332	-0.847773	6.225218
H	3.567877	-1.454302	7.562938
H	3.419263	0.066381	7.592626
N	3.721151	-4.618923	-6.276077
O	3.631919	-4.715758	-5.057169
O	3.642375	-3.480647	-6.724626
O	3.058553	-5.473964	-6.853092
C	-7.064259	-6.060149	-3.224152
H	-6.005056	-6.156729	-3.462609
H	-7.373693	-7.069521	-3.495295
H	-7.311396	-5.348503	-4.011924
C	-7.570664	-5.733504	-1.818912
H	-7.019703	-6.467555	-1.230940
H	-8.650915	-5.844081	-1.724407
N	-7.184387	-4.376253	-1.403581
H	-7.521986	-3.740725	-2.112263
H	-7.602314	-4.143072	-0.514164
H	-6.213213	-4.100372	-1.432054
N	-7.976393	-2.130352	-4.059495
O	-6.960186	-2.288180	-4.726945
O	-8.272162	-0.994773	-3.704448
O	-8.149113	-3.024377	-3.238544
C	3.380918	1.366780	0.341569
H	2.313863	1.280248	0.136621
H	3.712666	2.397329	0.468105
H	3.843982	0.990714	-0.570706
C	3.402117	0.378640	1.508176
H	2.727043	0.691177	2.304854
H	4.410524	0.146806	1.850911
N	2.786332	-0.931286	1.245984
H	1.828413	-0.840422	0.939005
H	3.228887	-1.348328	0.439559
H	2.928380	-1.549949	2.031591
N	-0.016743	-4.221941	-3.573543
O	-0.016387	-5.412277	-3.279990
O	0.307060	-3.415711	-2.708545
O	0.363012	-3.984450	-4.714797
C	-12.131521	-1.967990	-3.342551

H	-12.100256	-0.893666	-3.524073
H	-11.438804	-2.532984	-3.966269
H	-13.128867	-2.354321	-3.552672
C	-11.588097	-2.317597	-1.956800
H	-11.357155	-3.380354	-1.883908
H	-12.322474	-1.995409	-1.218569
N	-10.254250	-1.766388	-1.672437
H	-9.576561	-1.679929	-2.416320
H	-10.401542	-0.823716	-1.341114
H	-9.945949	-2.300083	-0.872299
N	-9.777062	-4.528673	1.160262
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O	-10.172998	-3.641457	0.412492
C	-4.281074	-1.446810	2.840902
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H	-4.786874	-2.225381	3.411949
H	-3.804390	-0.779115	3.558577
C	-3.182495	-1.905808	1.881587
H	-2.415527	-2.344536	2.519850
H	-2.848866	-1.015485	1.348561
N	-3.678171	-2.993667	1.024435
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H	-4.478186	-2.715058	0.474476
H	-2.914012	-3.364329	0.477836
N	-10.974357	0.605433	0.157446
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H	-4.082453	4.894015	7.305874
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O	-4.611798	-7.094789	1.156059
O	-3.383780	-5.897545	-0.153186
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H	-7.265765	-4.409306	5.385014
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H	-9.060496	1.867359	8.741283
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C	3.914288	-7.730382	12.020494
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H	4.907433	-8.066705	12.318235
C	3.755557	-6.398039	11.287346
H	4.362617	-6.342069	10.383772
H	4.173182	-5.571294	11.861960
N	2.339166	-6.089839	11.036969
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H	-0.566425	-9.996723	1.424231
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H	-2.374895	-8.277285	3.154648
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H	4.621732	-6.057509	5.205713
C	4.188742	-6.308650	7.308338
H	5.103091	-5.861135	7.697946

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H	2.379484	-5.550128	6.846840
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C	-0.881717	-9.974755	12.088914
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H	-1.746751	-8.605940	10.754714
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H	3.619129	-9.560579	-5.913295
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C	-4.222437	-3.871362	-7.209272
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O	-6.247104	1.362021	3.140905
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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>30</sub> conformer -8

Atomic Number	Atomic Coordinates (Angstroms)		
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C	1.323871	-3.318350	-9.682386
H	2.056028	-2.527785	-9.846860
H	1.769739	-4.297771	-9.855693
N	0.845306	-3.167362	-8.299628
H	1.516556	-3.343940	-7.565909
H	0.527542	-2.270672	-7.960402
H	0.174927	-3.915942	-8.198034
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C	3.549342	-8.979967	2.740776
H	4.320759	-8.215700	2.835181
H	3.965008	-9.965926	2.948637
H	3.065558	-9.053571	1.766797
C	2.448414	-8.694908	3.762804
H	2.763897	-9.044556	4.745818

H	1.505502	-9.158809	3.473301
N	2.160067	-7.255517	3.856889
H	1.684253	-6.897128	4.672523
H	3.056125	-6.810584	3.995505
H	1.907231	-6.769173	3.008570
N	-0.675831	-0.872304	-6.341262
O	-1.618149	-1.635593	-6.521544
O	0.273656	-0.897532	-7.116448
O	-0.304219	-0.644022	-5.195458
C	2.522273	-9.732140	9.294456
H	3.330740	-9.688570	8.564673
H	3.002453	-10.221291	10.141957
H	1.764089	-10.358257	8.824099
C	2.101660	-8.301874	9.633962
H	2.879296	-7.740836	10.152247
H	1.419889	-8.322109	10.484185
N	1.588097	-7.585482	8.456305
H	0.673662	-7.823252	8.099412
H	1.522978	-6.580826	8.537094
H	2.299317	-7.766836	7.762492
N	-0.616535	-1.674593	12.638986
O	-1.223871	-1.635212	11.574717
O	0.588419	-1.852130	12.498842
O	-1.072457	-2.306656	13.585404
C	3.574242	-8.031488	-5.525368
H	2.880701	-8.514838	-6.213463
H	4.420688	-7.558077	-6.022874
H	3.979484	-8.800649	-4.867896
C	2.721962	-7.065527	-4.701732
H	3.218368	-6.721370	-3.794408
H	1.816720	-7.641603	-4.509965
N	2.265108	-5.949990	-5.544764
H	1.790322	-5.259093	-4.981436
H	3.105993	-5.460566	-5.815832
H	1.663619	-6.353911	-6.248439
N	-0.610966	-6.299788	-7.683630
O	-0.932976	-5.189730	-8.092477
O	-0.754317	-6.323970	-6.466280
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C	-4.364392	-4.190953	-6.730827
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H	-4.065653	-3.365315	-7.376720
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C	-3.561978	-4.332642	-5.437035
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H	-3.891380	-3.418640	-4.942875
N	-2.118408	-4.112105	-5.613982
H	-1.586518	-4.132867	-4.755634
H	-1.812876	-4.902660	-6.163321
H	-2.029406	-3.199288	-6.036999
N	-5.604929	4.714601	4.369852
O	-5.795672	4.061244	3.350137
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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>30</sub> conformer -9

Atomic Number	Atomic Coordinates (Angstroms)		
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H	5.048276	-6.904841	-8.322103
H	5.139997	-6.464639	-6.511972
C	4.304741	-4.927647	-7.872485
H	3.737583	-4.936302	-8.803267
H	5.275474	-4.454625	-8.020898
N	3.585066	-4.190561	-6.822431
H	2.628835	-4.474103	-6.663289
H	4.032356	-4.278709	-5.921176
H	3.490608	-3.197703	-6.981838
N	-3.079901	-1.632444	-3.975355
O	-3.706030	-1.399924	-2.947263
O	-3.487492	-0.991249	-4.937547
O	-1.903533	-1.885889	-3.740831
C	5.471568	-3.955815	4.996637
H	5.609272	-3.019769	5.537890
H	6.516630	-4.155356	4.759720
H	5.009168	-3.768269	4.027558
C	4.707505	-5.016133	5.790220
H	5.160626	-5.191457	6.765946
H	4.683704	-5.997108	5.315645
N	3.288634	-4.628905	5.816716
H	2.603060	-5.148704	6.345767
H	3.127109	-3.752614	6.292240
H	2.982341	-4.536858	4.858691
N	5.144988	-4.113696	-3.483710
O	4.259125	-4.390339	-2.682591
O	5.166956	-2.916547	-3.747204
O	5.118922	-4.852179	-4.461994
C	-8.773927	-5.739408	-2.252123
H	-8.636686	-6.446296	-3.070398
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H	-9.368251	-4.870750	-2.535515
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H	-6.828416	-4.968625	-2.776278
H	-6.779704	-6.201901	-1.565521
N	-7.394104	-4.390106	-0.755975
H	-7.417004	-3.405232	-0.978681
H	-8.077119	-4.580926	-0.036824
H	-6.459181	-4.563894	-0.415657
N	-8.385645	-1.432861	-1.977989
O	-9.084806	-2.439792	-1.996443
O	-8.886375	-0.431042	-1.479288
O	-7.194364	-1.616000	-1.753519
C	3.473804	2.617695	1.115993
H	4.435672	2.169473	1.365005
H	3.037049	2.194167	0.211576
H	3.747519	3.656086	0.929111
C	2.403969	2.333432	2.170739
H	1.420924	2.654630	1.826422
H	2.665550	2.913608	3.055651
N	2.256976	0.890910	2.418457
H	1.383257	0.534602	2.778680
H	2.245720	0.461514	1.504349
H	2.940278	0.339899	2.918044
N	1.230516	-2.930030	-3.404540
O	0.966499	-1.743958	-3.567653
O	2.088460	-3.293362	-4.201407
O	1.179973	-3.350332	-2.253946
C	-12.923416	-3.148450	-1.556491

H	-13.116966	-3.862919	-0.756383
H	-13.801346	-2.979222	-2.179951
H	-12.263619	-3.664864	-2.253688
C	-12.226218	-1.912662	-0.986769
H	-12.817360	-1.225669	-0.381218
H	-11.902734	-1.383868	-1.883337
N	-11.011437	-2.235475	-0.222610
H	-10.979160	-3.155396	0.193085
H	-10.205293	-2.255474	-0.830750
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N	-10.662577	-5.247785	1.459008
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O	-9.586813	-5.082153	0.894763
O	-11.611740	-4.707771	0.901737
C	-4.201353	-1.228466	0.434192
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H	-4.004453	-1.979586	-0.330760
H	-5.066979	-0.684809	0.055735
C	-4.806433	-1.553679	1.800192
H	-5.625795	-2.245450	1.604747
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N	-3.727476	-2.127019	2.619321
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H	-6.327713	6.126854	6.222771
H	-8.035579	5.632829	6.506602
C	-6.935103	3.949915	5.712234
H	-6.997638	4.057222	4.629333
H	-7.668411	3.250349	6.113439
N	-5.636516	3.289398	5.915283
H	-5.351893	3.179764	6.878128
H	-5.751341	2.327832	5.628393
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O	-4.877542	-4.336806	-0.166777
O	-5.926522	-5.438736	1.223474
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H	-8.460490	-7.540893	5.423959
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C	-7.512720	-6.632482	3.708175
H	-7.651903	-6.699828	2.629197
H	-6.433636	-6.667869	3.857929
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H	-8.124298	-4.992891	4.848905
H	-7.669587	-4.521506	3.371766
H	-9.005513	-5.292468	3.473346
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O	-3.430024	-2.569775	9.051956
O	-2.046547	-1.700643	10.375625
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C	-0.140929	-4.167582	13.346569
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H	-1.201672	-3.991882	13.167537
H	-0.122607	-5.239138	13.545395
C	0.675499	-3.729066	12.130432
H	1.756711	-3.674383	12.257274
H	0.506984	-2.686718	11.859854
N	0.313135	-4.446451	10.898404

H	0.442046	-5.438361	11.038389
H	-0.630675	-4.267375	10.586546
H	0.916055	-4.039059	10.197961
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H	-7.445374	2.213079	-4.364409
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N	-5.845182	0.033810	-3.418225
H	-4.981162	-0.487498	-3.460738
H	-5.536584	0.823168	-2.868878
H	-6.434089	-0.519931	-2.812700
N	-5.093757	2.383389	-1.338125
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H	-1.547233	-2.371720	7.452206
H	0.076108	-2.250475	7.177863
C	-0.845389	-2.972847	5.399023
H	-1.851228	-2.870757	4.991635
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H	-1.697896	1.117089	8.647437
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H	-3.240004	0.756200	9.152170
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H	0.318142	4.804165	4.908547
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H	-8.122239	0.501537	1.856585
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H	-8.631340	0.124431	0.340256
N	1.194371	-7.489414	12.314964
O	1.919899	-6.512003	12.461090
O	1.717216	-8.342845	11.606893
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C	4.178258	0.071275	8.045100
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H	2.215978	0.900897	8.246511
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C	4.439313	0.452278	-3.620529
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O	-3.967110	-0.483686	5.150284
O	-3.335883	1.526101	4.871085
C	-0.139017	1.467564	-2.270557
H	0.047246	0.935529	-3.203479
H	-0.877320	2.230654	-2.516937
H	0.687322	1.951236	-1.749667
C	-0.947738	0.413055	-1.514367
H	-1.821984	0.170045	-2.118304
H	-1.363777	0.874483	-0.618769
N	-0.184251	-0.815481	-1.246739
H	0.757041	-0.664497	-0.913163
H	-0.736645	-1.485959	-0.731549
H	-0.086011	-1.363787	-2.089242
N	-0.814406	0.155010	2.537470
O	-1.974998	-0.137373	2.803200
O	-0.676508	1.081939	1.746987

O	0.039247	-0.161450	3.358571
C	-10.973234	-0.250255	7.163134
H	-11.078113	-1.296833	7.449100
H	-11.240948	0.341115	8.038755
H	-11.821215	-0.060179	6.505182
C	-9.659156	0.118272	6.473766
H	-8.960497	-0.145320	7.267802
H	-9.656577	1.196717	6.315501
N	-9.434600	-0.632988	5.229167
H	-9.319444	-1.631086	5.332316
H	-10.093231	-0.518139	4.472123
H	-8.576166	-0.371956	4.765428
N	3.990959	-8.726990	7.154373
O	4.318107	-8.314795	6.047058
O	4.554605	-8.262788	8.139205
O	2.927579	-9.323987	7.280444
C	5.963300	-5.993648	9.857304
H	6.225778	-6.452181	8.903914
H	5.775440	-5.009297	9.428512
H	6.816234	-5.985520	10.535935
C	4.805159	-6.578754	10.666131
H	4.715504	-6.090124	11.636339
H	5.191017	-7.582087	10.846507
N	3.512742	-6.757510	9.986760
H	3.840700	-7.385763	9.267147
H	2.723129	-7.174940	10.458315
H	3.077149	-5.919928	9.627854
N	2.977396	-0.846238	5.080754
O	3.290466	-0.951070	3.900045
O	2.682880	0.308617	5.368238
O	2.593384	-1.812346	5.730559
C	-2.127623	-7.982926	1.469630
H	-1.110440	-8.357269	1.584983
H	-2.698633	-8.884517	1.247859
H	-2.148186	-7.217805	0.693571
C	-2.586500	-7.285559	2.750626
H	-2.819699	-7.941061	3.589693
H	-3.576480	-6.831728	2.796208
N	-1.760897	-6.126734	3.123917
H	-0.998711	-6.598672	3.589155
H	-1.611130	-5.465126	2.375623
H	-2.228082	-5.562407	3.819167
N	-8.547856	-2.619730	2.221670
O	-9.184788	-2.390441	3.243835
O	-8.565651	-1.742145	1.365747
O	-7.519146	-3.277746	2.330505
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H	4.495297	-5.810649	0.814584
H	5.907508	-4.865549	0.519251
H	5.128031	-4.758817	2.109165
C	4.138888	-3.642710	0.550860
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H	3.696945	-3.098911	1.385766
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H	2.289126	-3.315162	-0.314453
H	3.536549	-3.782086	-1.384643
H	2.668223	-4.768107	-0.283963
N	3.150615	-0.680345	-0.349218
O	3.568616	-1.253236	-1.349292
O	3.742708	-0.646164	0.723785
O	2.159374	0.032185	-0.462431
C	2.228562	-9.243887	2.033936
H	2.491949	-10.013151	1.308016
H	1.153221	-9.151202	1.881780
H	2.665699	-8.247782	1.964740
C	2.542316	-9.682466	3.464687
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H	2.337779	-10.703174	3.787829
N	2.050796	-8.678635	4.421020
H	1.049448	-8.669764	4.552640
H	2.406684	-8.846552	5.351207
H	2.355913	-7.748736	4.171436
N	3.314695	-0.870665	-7.285928
O	3.023562	-1.918663	-7.851628
O	4.484086	-0.785882	-6.927580
O	2.426108	-0.674998	-6.464220
C	-0.013288	-10.869579	10.797711
H	-0.230570	-10.383801	11.748978
H	-0.756434	-11.666669	10.819635
H	0.974966	-11.329169	10.782472
C	-0.283366	-10.096725	9.506357
H	-1.259763	-9.641688	9.672759
H	-0.416895	-10.583833	8.540439
N	0.732141	-9.040287	9.377808
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H	1.088100	-8.659648	10.242972
H	1.458216	-9.444808	8.803981
N	0.722724	2.470832	8.852109
O	1.184926	1.659720	9.646805
O	-0.470174	2.416174	8.574470
O	1.445678	2.577571	7.867722
C	3.970755	-7.559286	-2.826379
H	3.695588	-7.567160	-1.771713
H	4.332776	-8.542439	-3.127132
H	4.819660	-6.876853	-2.868142
C	2.733422	-7.207446	-3.652851
H	1.867260	-7.854526	-3.514464
H	3.023357	-7.387847	-4.687980
N	2.062639	-5.930029	-3.366324
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H	1.629065	-5.954208	-2.454441
H	2.716909	-5.161034	-3.392366
N	-0.175201	-5.159394	-5.902706
O	-0.972562	-4.232634	-5.994396
O	0.935441	-4.780492	-6.257646
O	-0.188507	-6.015485	-5.025205
C	-0.761668	0.455268	-7.087536
H	-0.942588	0.979495	-8.025915
H	-1.494270	0.830031	-6.372730
H	0.299033	0.636952	-6.914317
C	-0.805262	-1.064297	-7.251435
H	-0.122578	-1.526326	-7.964577
H	-1.824314	-1.349614	-7.512635
N	-0.355973	-1.744785	-6.027132
H	-1.111416	-1.709370	-5.357690
H	-0.192382	-2.735135	-6.139134
H	0.465847	-1.328319	-5.613287
N	-6.529880	0.883663	4.051904
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Return

([EtNH<sub>3</sub>][NO<sub>3</sub>])<sub>30</sub> conformer -10

Atomic Number	Atomic Coordinates (Angstroms)		
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H	2.881261	-6.447181	-9.315000
H	3.347289	-4.846165	-8.784453
C	1.573401	-5.651879	-7.876414
H	1.151833	-6.649925	-7.756897
H	0.890472	-5.082565	-8.506960
N	1.640836	-4.854793	-6.641931
H	2.318252	-5.212923	-5.983942
H	2.003269	-3.976284	-6.983932
H	0.709265	-4.852385	-6.251713
N	-3.721593	-2.705395	-1.687424
O	-4.852902	-2.267149	-1.510914
O	-2.807967	-1.889096	-1.642493
O	-3.557595	-3.647690	-2.454406
C	5.971329	-1.354666	4.549692
H	5.336239	-0.607925	4.073101
H	6.838712	-0.825045	4.943707
H	6.148987	-2.188301	3.870286
C	5.388871	-1.947957	5.832887
H	5.186208	-1.372697	6.736271
H	6.181798	-2.506246	6.330562
N	4.336925	-2.948080	5.594132
H	4.849797	-3.804343	5.439614
H	3.786583	-3.243179	6.387946
H	3.609566	-2.762291	4.918461
N	4.424273	-4.873376	-4.434471
O	4.398761	-3.741974	-4.906016
O	4.091445	-4.925219	-3.255652
O	3.935208	-5.704324	-5.191714
C	-7.684142	-6.638723	-3.839283
H	-7.641640	-7.407246	-4.611076
H	-7.533261	-7.177608	-2.903902
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C	-6.447667	-5.741453	-3.901560
H	-6.401516	-5.052475	-4.744935
H	-5.461607	-6.205715	-3.917210
N	-6.368346	-4.754087	-2.814060
H	-5.559276	-4.151598	-2.864186
H	-7.182151	-4.164376	-2.914370
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N	-6.754589	-2.013378	-5.128393
O	-7.448611	-2.999855	-4.908681
O	-6.977818	-0.938243	-4.583113
O	-6.061975	-2.070801	-6.138375
C	4.102583	1.666650	2.191014
H	4.567844	0.684562	2.275486
H	4.343776	1.999070	1.181349
H	4.543669	2.424169	2.838862
C	2.616492	1.391114	2.422220
H	2.166799	0.866685	1.579101
H	2.191270	2.394398	2.448808
N	2.124393	0.724441	3.637633
H	2.339757	-0.261476	3.596559
H	2.447320	1.216948	4.458154
H	1.121299	0.832813	3.684073
N	0.618318	-3.986767	-3.078712
O	1.729375	-3.566685	-2.775133
O	0.697708	-4.858374	-3.937243
O	-0.406262	-3.334500	-2.911803
C	-10.659258	-2.978964	-5.542530

H	-11.290433	-2.891642	-6.426890
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H	-10.917144	-3.837933	-4.923040
C	-10.525629	-1.640954	-4.814714
H	-11.508015	-1.233577	-4.575838
H	-10.184971	-0.895201	-5.532977
N	-9.557369	-1.881484	-3.733762
H	-8.713899	-2.221372	-4.173234
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H	-3.433579	-0.121726	2.451031
H	-4.374402	-1.117913	3.722028
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H	-4.663712	-1.115695	0.803924
H	-5.949474	-0.496287	1.946203
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H	-5.977546	4.137194	10.798038
H	-7.615900	4.324208	11.356201
C	-7.344406	3.582067	9.208254
H	-7.549974	4.571755	8.800384
H	-8.318555	3.113353	9.068824
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H	-6.586008	3.002408	7.394175
H	-5.376129	3.160275	8.549679
N	-5.584628	-6.433698	0.372072
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H	-9.138907	-6.577453	3.106161
H	-10.484477	-6.293619	1.942749
N	-8.811063	-5.260406	1.455650
H	-7.824558	-5.345497	1.256481
H	-9.104958	-5.029273	0.517406
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N	-1.512049	-3.427099	9.868594
O	-0.313496	-3.602212	9.679170
O	-2.188374	-4.330517	10.347653
O	-2.056941	-2.745597	9.007361
C	2.726805	-2.267256	13.007262
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H	2.467870	-2.122467	14.056113
H	3.610922	-2.885096	12.850068
C	1.581977	-3.048922	12.362119
H	0.614358	-2.565290	12.495953
H	1.381875	-3.923838	12.980650
N	1.954786	-3.306562	10.962664

H	2.639884	-4.046312	10.903403
H	1.188816	-3.544255	10.348749
H	2.453407	-2.538266	10.536992
N	-3.140607	3.368972	9.684496
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O	-3.847838	3.749146	8.758015
C	-4.612228	2.033267	-3.151391
H	-5.005408	2.082134	-4.166833
H	-5.228225	2.687242	-2.534168
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H	-6.711329	0.276952	-3.010171
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C	-8.551304	2.306395	1.749766
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H	-7.796374	0.218262	1.733442
N	2.272992	-6.836217	10.808704
O	3.088435	-7.649187	10.387744
O	1.196803	-6.809689	10.222028
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H	-3.847374	-7.308978	10.119227
C	-1.819198	-7.727580	10.286053
H	-1.144347	-8.581993	10.337552
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N	-1.278969	-6.563760	9.566666
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N	-1.697447	-7.843507	6.678404
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C	-3.874394	4.058883	4.029549
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H	-14.284825	-1.944446	-0.579497
C	-12.467644	-1.699810	0.460693
H	-12.626731	-2.374028	1.302252
H	-12.769816	-0.676805	0.684859
N	-11.033464	-1.656788	0.136472
H	-10.340057	-1.552570	0.863400
H	-10.845652	-2.427709	-0.488433
H	-10.844226	-0.829150	-0.410616
N	2.333635	-2.650147	2.798279
O	1.195772	-2.879492	3.192926
O	3.000336	-3.679008	2.803814
O	2.886062	-1.661161	3.267115
C	-2.423230	-7.891523	-1.511063
H	-3.108185	-8.598667	-1.043212
H	-2.348896	-8.213759	-2.549686
H	-1.537539	-8.158301	-0.934451
C	-2.725233	-6.400178	-1.360981
H	-2.820071	-6.134634	-0.308084
H	-3.671798	-6.299192	-1.891939

N	-1.731787	-5.675906	-2.168654
H	-1.925169	-4.684626	-2.160494
H	-0.838254	-5.753461	-1.704237
H	-1.533647	-5.980780	-3.110935
N	1.364912	-6.119743	-0.327990
O	2.524822	-6.442137	-0.559824
O	0.456815	-6.740009	-0.869935
O	1.182846	-5.162805	0.416456
C	5.067102	2.008909	9.629589
H	5.469555	2.372534	8.684122
H	5.174075	2.923215	10.213285
H	5.654409	1.261187	10.162583
C	3.609125	1.548335	9.633659
H	2.893414	2.347870	9.442350
H	3.389219	1.092567	10.599069
N	3.500830	0.399432	8.721444
H	2.568264	0.026973	8.613302
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H	3.968677	-0.390096	9.143185
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O	-6.789791	0.186070	8.581015
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C	-5.513349	-4.489453	9.995708
H	-6.526990	-4.188012	10.259839
H	-5.406922	-5.534933	10.285096
H	-4.915963	-3.950022	10.730722
C	-5.174095	-4.206625	8.531892
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O	-3.501308	1.161735	6.732077
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N	-0.511594	-1.975388	-0.366156
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H	-8.770404	-2.161394	6.407939
H	-8.752366	-0.866921	7.585400
N	-7.502610	-0.654130	5.855093
H	-7.568742	-0.778235	4.854932
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H	-6.667177	-1.109799	6.193499
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H	7.063081	-6.473523	7.964586
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C	5.981247	-6.397831	9.906457
H	6.214184	-5.943671	10.869565
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O	-7.634439	-2.276814	-1.863553
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H	3.412638	-4.221103	-1.578317
H	2.863531	-4.433547	-0.019345
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O	1.480996	-0.366063	-1.837539
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H	2.080699	-10.586317	6.056520
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C	1.699954	-9.042125	7.670847
H	2.641545	-9.193349	8.198710
H	0.912977	-9.426380	8.319781
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H	1.665755	-7.194358	8.499100
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O	1.303101	-0.711130	10.380806
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H	3.402455	-10.066863	-3.790166
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C	2.257436	-8.166813	-3.982101
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C	-3.467713	-3.555601	-7.238685
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H	-3.429556	-4.643921	-7.285639
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C	-3.163175	-3.032528	-5.834586
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Return

([C<sub>1</sub>mim][Cl])<sub>10</sub>

Atomic Number	Atomic Coordinates (Angstroms)		
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N	-6.44441074	-3.34613245	-4.88452043
C	-7.31262454	-4.29862096	-4.70121095
C	-6.39255297	-2.44107264	-6.04170917
C	-7.81907123	-6.02540715	-3.01134449
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H	-7.39429886	-6.94588535	-3.35367735
Cl	-6.33079600	-3.16644300	7.15044200
N	-13.30329033	-0.63831956	-5.61809621
C	-13.42743296	-1.11897743	-4.37906647
C	-13.26129246	-2.45156874	-4.45698872
N	-13.04105090	-2.74175275	-5.74109326
C	-13.07057876	-1.63384410	-6.42395398
C	-12.80519261	-4.08452293	-6.29086709
C	-13.41105845	0.77528547	-6.00669917
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H	-13.29858663	-3.14661193	-3.64432147
H	-12.92627811	-1.55403076	-7.48117422
H	-13.73976262	-4.52553173	-6.56832512
H	-12.32871851	-4.69395440	-5.55163267
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H	-13.08767215	1.39377784	-5.19566421
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C	-3.88555187	-3.22560713	2.43194754
C	-3.86093315	-3.14737615	3.77461138
N	-3.61596156	-1.87266956	4.08562596
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C	-3.50204167	-1.32610430	5.44546886
C	-3.59181413	-1.61140404	0.54894914
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H	-3.24023088	-2.43960862	-0.03015190
H	-2.92185498	-0.78519164	0.43310514
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C	-7.48153143	1.13045812	6.66040618
N	-8.51314903	1.66359879	6.00225357
C	-9.52027994	0.84264157	6.08190658
C	-8.51216691	2.95809624	5.30569727
C	-10.02600858	-1.35609649	7.08374948
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C	-6.30953130	5.31494844	-0.12401676
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Return

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C	-0.84797958	2.56364494	1.42654353
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C	-0.93422716	-4.75121758	9.04121227
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H	-0.64354101	-0.15087436	7.30444660
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H	2.12236311	0.02165516	5.58233736
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Return

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C	-3.85588363	-3.40584254	-6.96759769
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Return

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B	-8.71712464	2.14366744	-6.90467170
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F	-7.95824879	1.02782134	-7.46198313
F	-8.29535633	2.37914729	-5.52689857
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H	-13.16129861	-3.50441985	-3.21400503
H	-13.29113540	0.65234133	-2.89654337
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H	-11.93408916	1.25954587	-5.01799944
H	-11.16157846	-0.04791243	-5.88222146
H	-10.45513227	0.56017574	-4.40431326
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F	-3.57311057	-2.26131097	-1.47989041
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F	-0.88583983	1.98412435	2.81312694
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C	-8.26965103	-4.53217054	6.66408652
C	-13.11710588	-4.29041039	5.95026365
H	-12.04268132	-6.91083908	5.62464442
H	-9.45490543	-7.03989054	6.00574237
H	-10.66470381	-3.08711746	6.56093664
H	-8.08726229	-4.62025408	7.71474873
H	-8.11813414	-3.51766825	6.35959754
H	-7.59561066	-5.16918829	6.13044546
H	-13.07510126	-3.27042649	5.62970580
H	-13.60161937	-4.34528651	6.90270878
H	-13.66789714	-4.86630541	5.23620709
B	-9.56158902	-5.32401800	-4.03208573
F	-9.51045376	-4.60171345	-2.76430940
F	-10.49882568	-6.43785895	-3.92012715
F	-10.00412945	-4.42004918	-5.08972609
F	-8.23295610	-5.83645942	-4.35417762
N	-5.66391241	-1.62701546	-6.24762563
C	-6.71042868	-2.43032340	-6.04486578
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N	-4.96017360	-3.29044514	-5.13132219
C	-4.61849010	-2.16451042	-5.68828499
C	-4.06195752	-4.19507747	-4.39937788
C	-5.68786765	-0.35182521	-6.97853544
H	-7.71309156	-2.26710602	-6.38089587
H	-6.84508120	-4.31877971	-5.00406451
H	-3.63345219	-1.74664043	-5.68661225
H	-4.05227114	-3.92697368	-3.36355889
H	-3.07224269	-4.11443936	-4.79793930
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H	-5.90203297	0.44547688	-6.29785540
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H	-4.73480765	-0.18455607	-7.43526300
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C	-7.03959472	5.59143860	-6.54521142
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C	-7.93199898	6.88017185	-4.63822071
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H	-8.82819987	6.30355222	-4.73433622
H	-8.11170381	7.87822953	-4.97952745
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B	-3.35115696	1.92380023	-5.13346362
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F	-2.78796756	3.14312493	-4.56104417
F	-4.30722441	1.34240413	-4.19564241
F	-2.27901755	0.96691554	-5.39131555
N	-8.80546037	-7.45145319	-0.73690794
C	-8.87611838	-8.10886196	0.42257517
C	-10.09188647	-7.85936877	0.94132097
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C	-9.93072862	-6.82393327	-0.92306108
C	-12.08642828	-6.52828864	0.24292839

C	-7.65257741	-7.43831027	-1.64880356
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H	-12.52880722	-6.38296036	-0.72044821
H	-7.74327172	-8.24146937	-2.34992780
H	-6.75073102	-7.55688869	-1.08530038
H	-7.62454426	-6.50701764	-2.17493169
B	-12.76919911	2.05917268	-1.33315983
F	-11.84279768	2.96227973	-0.65656890
F	-14.09497795	2.18392076	-0.73454391
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Return

([C<sub>1</sub>mim][BF<sub>4</sub>])<sub>20</sub>

Atomic Number	Atomic Coordinates (Angstroms)		
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N	-7.50608859	-0.22267029	-4.88792243
C	-7.30604077	1.05519054	-5.03514739
C	-7.03005715	-1.27744685	-5.79440586
C	-7.86323881	3.15175847	-3.85704026
H	-8.98752708	1.01245102	-2.34487097
H	-8.54271656	-1.35209220	-3.37912426
H	-6.76580586	1.50872665	-5.83972963
H	-7.76832615	-1.46105248	-6.54683054
H	-6.85718006	-2.17480676	-5.23784494
H	-6.11815849	-0.96424387	-6.25835825
H	-6.97015871	3.56488232	-4.27733697
H	-7.90083993	3.37353747	-2.81095032
H	-8.71618906	3.57765888	-4.34281577
B	6.33309096	-2.84466497	1.44154895
F	7.77077824	-2.68484904	1.24382119
F	5.72541682	-3.34522014	0.21200422
F	6.09334279	-3.79410720	2.52445329
F	5.74282619	-1.55448265	1.78591735
N	1.30347694	-6.90144020	-1.67792422
C	1.28468578	-7.24219679	-0.38751148
C	2.55436086	-7.18136815	0.05260071
N	3.30758617	-6.80537933	-0.98321626
C	2.53328464	-6.64197141	-2.01684742
C	4.76424820	-6.60912680	-0.96058056
C	0.13392251	-6.83110086	-2.56566382
H	0.42362011	-7.51232046	0.18738439
H	2.89554202	-7.39391697	1.04422375
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H	5.06695137	-6.29723416	0.01716943
H	5.03415572	-5.85861100	-1.67386815
H	-0.59907725	-7.54244676	-2.24691666
H	0.43358653	-7.05281615	-3.56863235
H	-0.28404928	-5.84684786	-2.52762062
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F	-10.24853306	2.72801537	-1.19557991
F	-11.35785197	3.59028131	0.73058855
F	-9.31440150	2.38585957	0.97112392
F	-9.30750646	4.56340373	0.00029081
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C	-2.04604575	7.11563791	-0.01802485
N	-1.05197350	6.28799250	0.31133045
C	-1.13594872	5.22616172	-0.43707090
C	-0.03496614	6.53384454	1.34391471
C	-2.58247360	4.35491003	-2.23771730
H	-3.60861919	6.90905840	-1.49568229
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H	0.87466067	6.03951055	1.07349392
H	-0.38119365	6.15512943	2.28284801
H	-2.09331290	4.55299380	-3.16851730
H	-3.64223856	4.41804827	-2.37120196
H	-2.32332269	3.37306551	-1.90046980
B	1.40380122	0.01750428	-8.34629531
F	2.67720941	0.70537885	-8.53819159
F	0.89941752	-0.44178742	-9.63712482

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C	2.84833819	-0.82037132	-3.28797353
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H	2.96664059	2.28219536	-2.63458023
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H	1.46426293	0.10519416	-5.34059276
H	2.93570733	1.00037057	-5.63484546
H	1.59031639	1.77130380	-4.82944917
B	-3.54977442	-0.07855194	-3.50024215
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F	-2.42202094	0.82378497	-3.71359762
F	-3.12063248	-1.20877206	-2.68168152
F	-4.03312844	-0.56649974	-4.78860183
N	-4.28722594	3.68004537	-7.60791166
C	-3.65625041	3.15518773	-6.55471963
C	-2.61144249	2.45461544	-7.03071176
N	-2.62756954	2.58646257	-8.35829665
C	-3.64003513	3.33660928	-8.68449719
C	-1.66458872	1.98750490	-9.29361534
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F	1.77422940	1.82272603	1.18692636
F	2.47691092	3.70398471	2.47196557
F	1.43557051	4.03017021	0.35218967
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H	3.14262468	6.51204897	5.06335848
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H	-1.54735656	3.81481931	7.52111269
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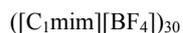
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Return



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C	6.42489877	-3.21651056	1.57062998
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H	7.62018304	2.02878650	0.03805767
H	6.23595266	1.51616775	-0.89692473
H	7.80433084	0.80696106	-1.19737895
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H	6.71004375	-3.49947566	2.56236270
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F	2.24707149	2.76084037	9.95655535
F	1.56280241	4.80291932	8.93382872
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H	8.53423547	-7.68533898	-0.95991919
H	6.98680616	-7.35391426	-3.04661276
H	9.29087093	-3.91074280	-2.56491245
H	6.32209516	-5.20172349	-4.42470456
H	7.88004444	-5.07660100	-5.20585896
H	7.29459755	-3.76612463	-4.20938145
H	11.17742493	-5.78289088	-0.75930495
H	9.95307589	-5.97947553	0.47170659
H	10.25851834	-4.40098189	-0.21249415
B	1.25979295	9.00728591	4.97625048
F	0.45065849	7.97221449	5.61306526
F	0.56797384	10.28983033	5.06608916
F	2.54989212	9.10175530	5.65324171
F	1.47064360	8.66534397	3.57260538
N	1.68420963	-0.36041894	1.73807370
C	0.52437149	-0.20193118	1.09679856
C	0.54742565	-1.02744298	0.03498210
N	1.72060608	-1.66346573	0.06204801
C	2.39068655	-1.24637939	1.09726936

C	2.17825014	-2.66492672	-0.91187623
C	2.09415008	0.34568399	2.96045595
H	-0.27208251	0.45642772	1.37447807
H	-0.22721282	-1.15075444	-0.69277280
H	3.36823750	-1.57933876	1.37735499
H	2.69908658	-2.17584175	-1.70838849
H	1.33382226	-3.18983882	-1.30722968
H	2.83494675	-3.35804242	-0.42893555
H	2.74895359	-0.27941275	3.53087541
H	1.22847637	0.58142808	3.54349253
H	2.60340066	1.24902009	2.69675407
B	4.22803857	-3.71532572	9.77223497
F	5.44106537	-3.05368157	9.30064579
F	4.08041002	-5.00071537	9.09578834
F	4.32039102	-3.93146796	11.21319101
F	3.07028802	-2.87543637	9.47931390
N	-3.08199976	1.30549211	-5.88477284
C	-2.92264996	2.57193027	-6.27508577
C	-2.22225067	3.19447671	-5.31001940
N	-1.97644999	2.28813802	-4.36145739
C	-2.50367057	1.15579325	-4.72815375
C	-1.23606698	2.52796225	-3.11437182
C	-3.79035290	0.25765343	-6.63387889
H	-3.28335721	3.00877433	-7.18280451
H	-1.91977342	4.22081405	-5.30392314
H	-2.46737378	0.24535093	-4.16719178
H	-1.60567131	1.87745775	-2.34942892
H	-1.36780696	3.54569908	-2.81145317
H	-0.19580821	2.33529688	-3.27448964
H	-4.82278794	0.25432954	-6.35286873
H	-3.35699903	-0.69495156	-6.41107018
H	-3.70687531	0.45087297	-7.68297107
B	-1.39963429	-10.65877069	7.86573292
F	-1.10636345	-11.75874524	6.95159536
F	-2.78886424	-10.74880870	8.30566055
F	-0.51579191	-10.74052780	9.02493151
F	-1.18751811	-9.38699957	7.18074566
N	11.23932849	1.03373641	6.59889013
C	11.24839649	0.49099624	5.37947070
C	11.69918597	-0.76917269	5.51452279
N	11.95087880	-0.95537626	6.81205453
C	11.66672556	0.14437725	7.44800596
C	12.46214310	-2.19238143	7.41975859
C	10.81819032	2.40330053	6.92726351
H	10.95326944	0.96756329	4.46804923
H	11.83092453	-1.48584170	4.73099012
H	11.76845359	0.29378690	8.50262881
H	11.64055251	-2.81606767	7.70420529
H	13.04301476	-1.95092776	8.28531357
H	13.07500553	-2.71055375	6.71209726
H	10.07003692	2.72271783	6.23218024
H	11.66161829	3.05922094	6.86991238
H	10.41636369	2.42485186	7.91871491
B	10.26121740	0.11371440	11.22223659
F	9.56313130	0.68600877	12.36973804
F	9.47176370	-0.98320123	10.66984257
F	10.44588017	1.14210453	10.20247353
F	11.56409343	-0.39005248	11.64689327
N	3.39440445	1.92949595	-3.93864070
C	2.98966426	3.17728828	-3.69199415
C	2.58983456	3.69900892	-4.86563804
N	2.76329703	2.75301233	-5.79117514
C	3.24933568	1.69402421	-5.21069714
C	2.45741826	2.88466762	-7.22296256
C	3.91551734	0.98199808	-2.94285436
H	2.98427668	3.66895258	-2.74166206
H	2.20586266	4.68468343	-5.02660879

H	3.49148823	0.77476128	-5.70182922
H	2.18634772	1.92840960	-7.61917656
H	3.31898890	3.25345604	-7.73929840
H	1.64429118	3.56797449	-7.35260485
H	4.97768699	1.08901249	-2.87035401
H	3.67734310	-0.01720641	-3.24245375
H	3.47084595	1.18451611	-1.99093826
B	7.27061888	2.31448599	5.56815027
F	6.23311941	3.28286031	5.91085951
F	8.24984014	2.94218559	4.68569950
F	7.93424472	1.86045661	6.78678071
F	6.66526985	1.17244150	4.88926201
N	2.37818030	-5.02480890	-6.08170572
C	3.24607615	-5.90427233	-6.58661004
C	2.73607321	-7.12930313	-6.36598872
N	1.57315810	-6.95845730	-5.73347518
C	1.37653414	-5.68177600	-5.57206425
C	0.66808184	-8.03008704	-5.29377518
C	2.52801987	-3.56256003	-6.09832643
H	4.17132355	-5.67793475	-7.07404101
H	3.17841257	-8.06293489	-6.64450962
H	0.52557848	-5.24168385	-5.09551630
H	0.92571074	-8.32883284	-4.29914927
H	0.76042329	-8.86781476	-5.95300642
H	-0.34068405	-7.67364562	-5.30912026
H	1.56121864	-3.10531815	-6.13181025
H	3.09031980	-3.27143280	-6.96085594
H	3.04158836	-3.24657261	-5.21441040
B	-10.37559723	-9.52934824	6.99971595
F	-11.28319373	-8.53004031	6.44360524
F	-9.42561827	-9.94870776	5.97342088
F	-9.65011328	-8.95344348	8.12825789
F	-11.14346448	-10.68519821	7.45357604

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Return

([C<sub>1</sub>mim][NO<sub>3</sub>])<sub>10</sub>

Atomic Number	Atomic Coordinates (Angstroms)		
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C	-5.36572569	-0.31803487	5.22294867
C	-4.28755447	0.16099354	4.57676346
N	-4.39628816	1.49132350	4.57163761
C	-5.49536939	1.81644692	5.18883829
C	-3.43763171	2.42998666	3.97098384
C	-7.36956315	0.68302685	6.32756118
H	-5.59296850	-1.34739243	5.40647274
H	-3.49388500	-0.41477259	4.14842569
H	-5.84783998	2.81518827	5.34112063
H	-2.95818016	1.96422876	3.13546724
H	-2.70159843	2.70226248	4.69832121
H	-3.95531536	3.30670766	3.64195976
H	-8.18155743	0.62581399	5.63309314
H	-7.47245066	1.56489300	6.92474649
H	-7.38014393	-0.17960497	6.96053831
N	-4.27577692	-4.00581634	-4.02367492
O	-3.14398944	-4.46779533	-3.83060754
O	-5.26527080	-4.56999860	-3.53969250
O	-4.41807185	-2.97966273	-4.70073504
N	-13.76758795	0.71166046	-4.32151150
C	-14.41716415	-0.43179437	-4.09305256
C	-13.48555905	-1.39463138	-3.97248389
N	-12.29708641	-0.80812387	-4.13110477
C	-12.49008108	0.46213567	-4.34047864
C	-10.99181960	-1.48221637	-4.07830295
C	-14.38928309	2.02912090	-4.51829843
H	-15.47711102	-0.55844348	-4.01975640
H	-13.66338249	-2.43298043	-3.78509260
H	-11.71991880	1.18701755	-4.50263694
H	-10.29950547	-0.96912785	-4.71258559
H	-11.09887157	-2.49337733	-4.41145354
H	-10.62699744	-1.47481625	-3.07244276
H	-14.58813548	2.17778078	-5.55909569
H	-13.72553528	2.79241874	-4.16941360
H	-15.30670413	2.07613222	-3.96963112
N	-3.50554909	1.75499225	-1.35139230
O	-4.63758071	1.29506626	-1.54790635
O	-2.95184114	1.58962389	-0.25699598
O	-2.92722907	2.38029459	-2.24927137
N	-7.20411043	-0.33995734	0.76250448
C	-7.88542545	0.24362129	-0.22586360
C	-9.17051484	-0.13000377	-0.09011814
N	-9.23256393	-0.92968743	0.97677951
C	-8.03564311	-1.04290794	1.47597689
C	-10.44646950	-1.57329782	1.49936117
C	-5.75989256	-0.21080136	1.00429638
H	-7.48551914	0.88627033	-0.98215302
H	-9.98744555	0.15885226	-0.71788337
H	-7.77616009	-1.62251397	2.33715293
H	-10.35607744	-1.69874684	2.55812860
H	-10.57062398	-2.52982834	1.03617691
H	-11.29629617	-0.95980408	1.28415104
H	-5.23912750	-0.97980231	0.47294105
H	-5.56377337	-0.30557114	2.05189241
H	-5.42554796	0.74698546	0.66405777
N	-5.36820416	-3.54757328	3.36848477
O	-6.21237903	-2.86242115	3.95973578
O	-4.23407739	-3.09470221	3.16772031
O	-5.65815742	-4.68559436	2.97799415
N	-3.57908572	-3.06987102	-0.39881772

C	-2.58266988	-2.60843402	0.36004751
C	-1.77271898	-1.89825531	-0.44562666
N	-2.30060232	-1.94891206	-1.67052737
C	-3.38947386	-2.66054326	-1.61993267
C	-1.74645804	-1.30956331	-2.87263177
C	-4.70028368	-3.89945007	0.06552647
H	-2.45288684	-2.77223031	1.40944080
H	-0.87602698	-1.38957781	-0.15911704
H	-4.02808824	-2.87522239	-2.45119069
H	-1.21591462	-0.42343921	-2.59293122
H	-2.54295307	-1.05289295	-3.53943433
H	-1.07715024	-1.98696211	-3.36053311
H	-5.50716293	-3.26814388	0.37417619
H	-4.38135758	-4.50016308	0.89154882
H	-5.02844100	-4.53388921	-0.73117322
N	-7.00859869	2.85107493	2.38313400
O	-6.06416528	3.59971684	2.66459713
O	-7.49525964	2.86981645	1.24539263
O	-7.46637739	2.08369878	3.23941524
N	-7.25285608	-7.07801902	-2.06382244
C	-6.27818323	-7.49411912	-2.87529919
C	-6.85262738	-7.80313493	-4.05173900
N	-8.15958603	-7.56573742	-3.92077849
C	-8.37933130	-7.12913253	-2.71425082
C	-9.17798106	-7.76369389	-4.96221517
C	-7.08304309	-6.63691858	-0.67188034
H	-5.23797438	-7.56783681	-2.63564330
H	-6.35633971	-8.16950174	-4.92602871
H	-9.33535694	-6.85536645	-2.31933134
H	-9.97313161	-7.06166691	-4.82152733
H	-9.56536833	-8.75901915	-4.89765333
H	-8.73673845	-7.61448513	-5.92551059
H	-7.18203356	-7.47718301	-0.01685861
H	-7.83100883	-5.90954944	-0.43446161
H	-6.11247402	-6.20295286	-0.55114572
N	-10.93671804	-0.71946037	5.12482342
O	-9.71332429	-0.90637422	5.12880658
O	-11.70419807	-1.65138610	4.85254655
O	-11.39263160	0.39938069	5.39311245
N	-11.65838627	2.20774351	2.40986539
C	-12.71098947	1.48867582	2.80557903
C	-13.65996636	1.63127172	1.86293104
N	-13.15629942	2.43281439	0.92194116
C	-11.94822790	2.76889798	1.27156086
C	-13.84832423	2.86302932	-0.30154350
C	-10.38753284	2.34302233	3.13618026
H	-12.78571060	0.90915908	3.70194588
H	-14.63326471	1.18677510	1.86671760
H	-11.29613944	3.40606959	0.71146856
H	-13.49575142	3.83153099	-0.58894442
H	-14.90172225	2.90665390	-0.11891852
H	-13.65121546	2.16404598	-1.08733547
H	-9.59192097	2.49644063	2.43734634
H	-10.20147940	1.45188856	3.69847230
H	-10.44415527	3.17919310	3.80139349
N	-11.55753612	-4.24778097	-6.44385851
O	-11.14155659	-4.56241612	-5.32153502
O	-12.75748406	-3.99482739	-6.61055166
O	-10.77356723	-4.18609852	-7.39948881
N	-6.98343579	4.87588060	-0.94367712
C	-5.65756156	4.99028316	-0.84080930
C	-5.12876228	4.42579664	-1.94135564
N	-6.14873737	3.98476096	-2.68079149
C	-7.25814928	4.26649006	-2.06074193
C	-6.03806687	3.29753080	-3.97555910
C	-7.96653822	5.35647310	0.03786458
H	-5.11802927	5.44451424	-0.03613842

H	-4.08852732	4.34561045	-2.17881301
H	-8.24108398	4.03379537	-2.41370056
H	-5.97133829	2.24183215	-3.81443819
H	-5.16066607	3.63664979	-4.48553582
H	-6.90164425	3.51385511	-4.56913910
H	-7.57635623	6.21579023	0.54209731
H	-8.16526933	4.58406200	0.75113935
H	-8.87357688	5.61938836	-0.46519057
N	-10.98807675	-8.27662758	-0.87853242
O	-11.83477264	-8.42896617	0.01115302
O	-11.34514222	-8.01623133	-2.03453662
O	-9.78431539	-8.38468393	-0.61221299
N	-8.08457913	-2.90675845	-5.69871100
C	-8.75160485	-2.03429897	-6.45733689
C	-8.56487304	-0.81841423	-5.91305817
N	-7.78981486	-0.98755097	-4.83959778
C	-7.51177102	-2.25444485	-4.72866144
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C	-8.00955220	-4.35792898	-5.92091178
H	-9.32557098	-2.25923545	-7.33190845
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H	-7.19917418	-0.32302379	-2.95175627
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H	-8.08706615	-4.56286727	-6.96823698
N	-14.26815045	-0.63767019	-0.72587251
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O	-13.12854657	-0.35750391	-1.11887692
O	-15.23831018	0.02175038	-1.12033494
N	-13.26397504	-4.37855637	-1.78601963
C	-14.59100967	-4.27851350	-1.88896007
C	-14.96998289	-5.09920619	-2.88511399
N	-13.86216220	-5.67393372	-3.35844473
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C	-13.80132736	-6.64814789	-4.45759502
C	-12.41928310	-3.65532413	-0.82460106
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H	-15.96924581	-5.26058264	-3.23200598
H	-11.82451282	-5.50801291	-2.83674200
H	-13.89468593	-7.63808724	-4.06236089
H	-12.86464299	-6.55403068	-4.96616793
H	-14.60037123	-6.46145258	-5.14431335
H	-12.97726331	-3.46600962	0.06854878
H	-12.10619955	-2.72626276	-1.25322211
H	-11.55954874	-4.24727310	-0.58931491
N	-10.30289684	2.51527287	-3.69087561
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O	-11.36242659	3.14950804	-3.60851710
O	-9.78790046	2.03592369	-2.67271594
N	-9.14016254	-4.51100839	5.15718574
C	-10.27719495	-5.12354398	5.49417798
C	-10.75935032	-5.69745608	4.37720115
N	-9.90126277	-5.41681389	3.39406359
C	-8.93211020	-4.70042741	3.88617475
C	-10.02895452	-5.84415381	1.99335107
C	-8.27047460	-3.75144767	6.06693036
H	-10.72070895	-5.15253470	6.46749706
H	-11.65937840	-6.26995068	4.29289576
H	-8.09611595	-4.32619788	3.33304290
H	-10.57541386	-5.10641273	1.44378358
H	-10.54933466	-6.77815461	1.95142171
H	-9.05505582	-5.95894806	1.56528103
H	-8.57489930	-2.72572447	6.07788128
H	-7.25690584	-3.81910304	5.73079305

H	-8.34658430	-4.15664060	7.05431299
N	-8.84151693	-3.42025406	-1.12080155
O	-9.51199221	-2.66433865	-1.83543542
O	-9.40615069	-4.25447147	-0.40183573
O	-7.60640817	-3.34194782	-1.12512829

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Return

([C<sub>1</sub>mim][NO<sub>3</sub>])<sub>20</sub>

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C	1.41936757	-8.72936356	-5.20796112
N	0.96197660	-9.27494372	-4.07890465
C	1.24678267	-8.47603867	-3.09135849
C	0.25639570	-10.55987148	-3.96925547
C	2.36372921	-6.30150072	-2.74823180
H	2.46623234	-6.86886904	-5.54017331
H	1.34126827	-9.14221810	-6.19200143
H	1.00355553	-8.65023972	-2.06403835
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H	-0.79643609	-10.39847230	-4.07120872
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C	-6.26518616	3.49843434	5.26145593
C	-1.69814252	2.39859426	3.84796820
H	-2.36774199	5.14929111	3.51236596
H	-4.80588339	5.73644288	4.26690944
H	-4.18555630	1.66052324	4.89813088
H	-6.29149980	2.70869794	5.98293482
H	-6.93207423	3.26880864	4.45682367
H	-6.56698041	4.41466938	5.72440913
H	-1.18115942	2.84171673	3.02257144
H	-1.95668331	1.38882071	3.60628428
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N	-3.63564487	4.01392253	-4.63797356
O	-4.85160148	3.83293988	-4.49532787
O	-2.82989233	3.19605750	-4.17589830
O	-3.22543932	5.01277109	-5.24269427
N	-6.96096420	1.19345204	-7.40876109
C	-6.37563245	0.84466125	-8.55652456
C	-5.41955311	1.75836211	-8.80258217
N	-5.45182502	2.63567333	-7.79715845
C	-6.38859715	2.27628798	-6.96773358
C	-4.57784927	3.80861470	-7.65128277
C	-8.06461669	0.47649787	-6.75389366
H	-6.62031807	-0.00076433	-9.16503012
H	-4.75895099	1.77811688	-9.64407215
H	-6.64737305	2.79004286	-6.06552282
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H	-4.29846681	4.16787479	-8.61967658
H	-7.66603005	-0.25741361	-6.08501550
H	-8.66620337	-0.00615516	-7.49554161
H	-8.66495770	1.17119991	-6.20445538
N	-2.41322756	0.56466780	0.31140968
O	-3.15791582	0.54953277	-0.67695439
O	-1.42160136	-0.17479779	0.35043095
O	-2.66016125	1.31927222	1.26075176
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C	3.37903785	-2.67804494	5.96493565
C	2.96688057	-3.80725128	6.56868687
N	3.29399509	-4.82049165	5.76372574
C	3.88261481	-4.33443499	4.70925835
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C	4.53677061	-2.12565084	3.82199533
H	3.27362906	-1.68102880	6.33875345
H	2.47119177	-3.87946786	7.51418869
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H	2.07740679	-6.51016317	5.62466735
H	3.04173404	-6.42073349	7.07902293
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H	4.43636611	-2.54638147	2.84331887
H	5.57367218	-1.98315511	4.04430796
H	4.03134691	-1.18325657	3.85866006

N	2.67292001	-4.27006533	0.62730796
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Return

([C<sub>1</sub>mim][NO<sub>3</sub>])<sub>30</sub>

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N	-2.22139439	-4.03245142	-5.75331281
C	-3.28877042	-3.67260769	-5.10072468
C	-0.83441666	-3.83999283	-5.30590369
C	-5.73866272	-3.75822665	-5.39176706
H	-4.57465250	-4.96310020	-7.69842565
H	-1.95653510	-5.00696765	-7.65249452
H	-3.29735505	-3.18667574	-4.14745341
H	-0.77514900	-2.96375701	-4.69466801
H	-0.19761576	-3.72423971	-6.15795279
H	-0.52091006	-4.69188869	-4.73942989
H	-6.36401894	-4.52035302	-5.80768878
H	-6.05404382	-2.80163366	-5.75283872
H	-5.81304144	-3.77886992	-4.32455193
N	2.98040860	1.20931781	-0.65126052
O	3.24857554	1.58813946	0.49601203
O	3.45519845	1.80521923	-1.62652055
O	2.23744940	0.23459349	-0.82327396
N	-0.62765517	-10.51004535	6.70662992
C	0.11336569	-11.06717174	5.74635544
C	1.32443641	-11.31223739	6.27809063
N	1.28395993	-10.89685586	7.54593892
C	0.09757748	-10.41660812	7.78363602
C	2.39117374	-10.96938750	8.51015219
C	-2.02545386	-10.07570284	6.57099871
H	-0.19687300	-11.27859625	4.74438014
H	2.16095264	-11.75571196	5.77961195
H	-0.22990019	-10.00919727	8.71726792
H	1.99662698	-11.07800208	9.49880545
H	2.97196413	-10.07245497	8.45444911
H	3.01086751	-11.81049245	8.27903941
H	-2.20744798	-9.24966884	7.22631127
H	-2.67687703	-10.88483113	6.82763193
H	-2.20947828	-9.77644426	5.56031399
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O	-7.51880567	3.52646800	-0.29761504
O	-9.05456544	3.13505626	1.14571782
O	-7.51565655	1.68394261	0.79785904
N	3.60268348	-5.18902991	5.50730049
C	4.65202151	-4.61266898	4.91708966
C	5.50638062	-5.59791255	4.58719981
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C	3.80361733	-6.47483267	5.53886859
C	5.53637217	-8.08352385	4.82917739
C	2.42074059	-4.49039745	6.03250501
H	4.78777382	-3.56617886	4.74006271
H	6.45112843	-5.48432011	4.09786290
H	3.13135265	-7.19663904	5.95355948
H	4.75297780	-8.80591789	4.73243781
H	6.13166647	-8.31572966	5.68743438
H	6.15040501	-8.10379323	3.95313205
H	2.58717052	-4.22812974	7.05642476
H	1.56707547	-5.13173278	5.96281877
H	2.24764600	-3.60280115	5.46057099
N	-4.90637921	-2.84623802	3.49191093
O	-3.94767448	-2.28580943	4.03823346
O	-4.80298392	-4.01966951	3.11240866
O	-5.96847739	-2.23323303	3.32508995
N	-8.67832709	0.76191797	4.29214935

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N	-6.66522897	1.29395048	4.70771540
C	-7.77253061	1.68542409	4.14623010
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H	-7.91563328	2.61925895	3.64386635
H	-4.87246650	1.80254282	5.64671540
H	-5.62874822	3.10430786	4.75986158
H	-4.81411696	1.81943787	3.90046939
H	-10.68727332	1.26638674	4.54526525
H	-10.40775054	-0.15990132	3.57539893
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N	-2.59103522	-9.74124965	2.04869221
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C	-2.33958830	-0.86115253	14.51705538
N	-3.22682803	-1.23334854	13.59189859
C	-3.24628018	-0.33065289	12.65413095
C	-4.04341910	-2.45520417	13.62617256
C	-2.12848863	1.80882728	12.13731247
H	-1.07071789	0.88458258	14.61803885
H	-2.09298452	-1.39180861	15.41286551
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H	-3.51698774	-3.24978710	13.13995444
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C	-5.19714771	-5.66886307	-0.82636989
N	-5.98262951	-5.93643390	0.21912567
C	-6.08452115	-7.22887681	0.33677545
C	-6.62380010	-4.94065828	1.08990521
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H	-4.40858204	-9.61123538	-0.25160349
N	-8.43210954	-3.38194542	-2.90434466
O	-9.37522533	-4.18307585	-2.92377637
O	-8.51941271	-2.30844445	-3.51396709
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C	-10.05673580	-5.02311802	10.64206847
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H	-9.85127414	-7.56357336	5.66261770
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H	-0.31105258	-6.56991841	10.65672972
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O	-5.82479830	-3.08997187	10.60352065
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C	2.82685941	5.54954356	8.44321127
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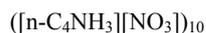
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[Return](#)



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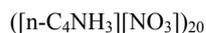
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Return



Atomic Number	Atomic Coordinates (Angstroms)		
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C	7.904476	4.821933	5.496904
H	7.338786	4.396248	6.325691
H	8.930801	4.741314	5.855035
C	7.451617	4.008604	4.283950
H	7.651314	4.473800	3.318645
H	8.172072	3.190707	4.293311
C	5.972247	3.624980	4.330194
H	5.379139	4.531315	4.208216
H	5.633374	3.169492	5.260675
N	5.474766	2.707135	3.293896
H	5.668158	3.202538	2.435249
H	5.970215	1.836267	3.166541
H	4.503101	2.454784	3.404738
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O	6.865010	-4.467378	0.334447
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H	-1.595197	10.051618	9.738879
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H	6.779187	2.660034	8.150711
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C	4.933656	3.990561	8.117427
H	4.343278	3.514798	7.334353

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C	4.015047	4.516956	9.220562
H	3.256180	3.835449	9.604969
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H	2.049902	4.579463	7.017170
H	1.142370	4.811520	8.369258
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O	2.548787	7.128115	5.756750
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H	12.089628	1.433647	-0.434600
H	12.596809	-0.248207	-0.996300
H	11.683903	0.706703	-1.997462
C	10.732026	-0.278346	-0.187077
H	11.024503	-0.453840	0.848181
H	10.585669	-1.230957	-0.696205
C	9.395346	0.463827	-0.204623
H	9.618080	1.350842	0.388415
H	9.007749	0.779828	-1.173134
C	8.405823	-0.334774	0.644448
H	8.770551	-0.283683	1.670344
H	8.299522	-1.398018	0.429248
N	7.038756	0.190275	0.505553
H	6.410222	-0.255090	1.158772
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H	6.642314	0.016031	-0.406902
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O	2.777633	-4.963641	-2.058220
O	2.259003	-3.097460	-1.308637
C	6.476343	-4.581522	7.788309
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H	6.615399	-3.502892	7.715359
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C	6.668581	-5.027797	6.338577
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C	5.868973	-4.275197	5.274592
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C	6.615033	-4.536862	3.965865
H	6.754375	-5.603943	3.792594
H	7.573430	-4.021548	4.029303
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H	5.107125	-4.471603	2.449798
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C	1.001498	-3.272758	5.978839
H	0.261625	-2.492354	6.156761
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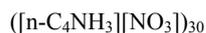
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H	5.159526	8.214703	-3.593592
C	5.739339	6.135462	-3.996327
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C	5.511650	5.459071	-2.644109
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H	4.896246	6.023478	-1.943521
C	4.844318	4.089000	-2.768260
H	5.437042	3.560911	-3.515187
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N	4.777543	3.303210	-1.526521
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H	5.707186	3.282425	-1.132272
H	4.031550	3.535973	-0.886664
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O	1.584569	1.532574	1.144889
O	3.542250	1.563704	1.977866
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H	3.939117	0.328361	12.065106
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H	2.457162	-1.393259	9.990781
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C	0.627000	0.577961	9.393675
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C	1.847139	6.568627	-4.921494
H	1.498234	7.529393	-5.300035
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H	2.785138	-2.459512	-6.388682
H	4.057794	-1.203929	-6.518932
H	3.932553	-2.659812	-7.566872
C	4.782923	-2.998119	-5.584563
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C	5.235639	-3.631284	-3.211359
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H	4.899318	-4.624048	-3.510367
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N	3.682949	-2.097346	1.048721

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H	3.090189	-6.584155	1.126360
N	2.444128	-6.249397	3.225712
O	3.500005	-5.687260	2.957005
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O	1.792350	-5.528097	3.972697

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Return



Atomic Number	Atomic Coordinates (Angstroms)		
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C	-10.928052	17.679907	4.699859
H	-11.653988	18.011831	5.442115
H	-10.869231	18.508571	3.994200
C	-9.502159	17.279217	5.079487
H	-9.667223	16.342209	5.611342
H	-8.902391	16.988816	4.216906
C	-8.732948	18.221790	6.005616
H	-9.090376	18.282259	7.033569
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H	-6.939292	17.590000	5.289779
H	-6.757101	18.260679	6.758386
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O	-4.475190	19.782257	-1.769445
O	-5.870169	19.251221	-0.439956
O	-3.939380	19.902776	0.253880
C	1.042729	12.514243	10.086012
H	0.134220	12.659899	10.670388
H	1.241079	11.543480	9.631724
H	1.798497	12.797273	10.818685
C	1.082217	13.514242	8.930035
H	2.100904	13.539217	8.543055
H	0.933297	14.535162	9.281665
C	-0.021028	13.199404	7.919307
H	-0.062519	12.128070	7.722783
H	-0.947553	13.452208	8.434808
C	0.251385	13.574058	6.462164
H	1.266867	13.231032	6.264103
H	0.483815	14.638177	6.420608
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H	-1.693597	13.416949	5.722938
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H	-2.923110	13.796311	11.427611
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C	-2.297884	15.600233	10.616344
H	-1.478728	14.981880	10.249299
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C	-3.373506	15.903242	9.572761
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H	-3.451468	16.970818	6.328281
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H	-0.875471	30.188300	8.166652
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H	-3.408276	29.354609	8.621878
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H	-2.907090	27.026507	7.470588
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C	4.883694	20.721594	4.846138
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H	4.201509	21.509624	5.165092
H	5.084935	20.222123	5.793836
C	4.222234	19.670946	3.953698
H	4.930167	18.940568	3.561933
H	3.803917	20.264487	3.140790
C	3.172973	18.776010	4.613987
H	3.577419	18.357434	5.535571
H	2.313468	19.366723	4.930860
C	2.686594	17.670671	3.676170
H	3.535255	16.991987	3.590952
H	2.542433	17.979526	2.640832
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H	1.530143	16.082315	3.545040
H	1.735446	16.446693	5.031651
N	-3.640263	12.643197	6.407866
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O	-3.865830	12.075724	5.344771
C	-13.539172	23.717340	11.822521
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H	-14.285879	23.006945	12.177298
C	-12.269532	23.708189	12.674442
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H	-10.199526	21.973129	13.943022
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N	-3.775259	23.690409	6.485946
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C	-10.815472	22.888787	2.658270
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H	-11.116219	23.074173	1.627114
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H	-8.911635	22.380018	3.393748
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O	-3.863415	19.616912	7.034111
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H	-0.634620	25.527019	2.469978
H	-0.498103	27.208737	2.898208
C	-2.507608	26.408334	2.951631
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O	-0.881051	17.175016	5.734066
C	-1.182557	1.212217	12.580104
H	-1.060042	0.301703	11.993542
H	-0.333124	1.777722	12.963207
H	-1.527075	0.708231	13.483102
C	-2.345567	2.118785	12.175901
H	-2.374683	2.933919	12.898956
H	-3.297435	1.597829	12.279115
C	-2.191078	2.413998	10.683646
H	-1.307428	3.047823	10.758005
H	-1.924615	1.513746	10.129890
C	-3.192838	3.364162	10.026755
H	-3.402417	4.172725	10.727042
H	-4.077208	2.741553	9.891297
N	-2.660187	3.987329	8.805368
H	-3.293115	4.712154	8.498562
H	-1.728566	4.343524	8.964456
H	-2.553621	3.318889	8.055746
N	-7.340932	21.091518	3.934377
O	-6.172138	21.425153	3.774120
O	-8.084784	21.744970	4.657399
O	-7.840853	20.329733	3.114110
C	-7.274352	12.962002	10.479807
H	-6.620662	13.812040	10.284297
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H	-7.734190	13.086200	11.460227
C	-6.551465	11.634125	10.251737
H	-7.142482	10.762124	10.531763
H	-5.770793	11.651458	11.012231
C	-5.973934	11.525939	8.840144
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H	-5.168255	12.253627	8.742923
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H	-6.118472	9.330270	8.633746
H	-4.521572	10.054137	9.184002
N	-4.903894	9.932868	7.170573
H	-5.540822	9.917200	6.386879
H	-4.121234	10.546494	6.994484
H	-4.487005	9.013016	7.183835
N	-2.169045	9.824820	5.518441
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O	-1.410305	10.350349	4.711467
O	-3.239129	9.369487	5.130278
C	4.493739	-0.311977	8.388597
H	4.931279	0.123222	9.287075
H	4.723883	-1.377404	8.389479
H	4.868837	0.046001	7.429820
C	2.965729	-0.306540	8.333857
H	2.738376	-0.810043	9.273482
H	2.610993	-0.989852	7.562270
C	2.155712	0.988903	8.393372
H	1.157534	0.620077	8.157349

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C	2.496844	1.902965	7.216104
H	2.509895	1.472198	6.214920
H	3.531126	2.242454	7.271849
N	1.658341	3.110674	7.262899
H	1.885941	3.798337	6.559041
H	0.650647	3.042459	7.261980
H	1.911640	3.594984	8.112242
N	0.997012	5.258358	9.806760
O	-0.214861	5.174392	9.641265
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H	-8.010645	16.904769	15.156972
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C	-7.261364	16.255414	13.313656
H	-7.547801	15.538937	12.543777
H	-6.416724	15.722645	13.750507
C	-6.794283	17.581867	12.713489
H	-7.559079	18.357787	12.747196
H	-6.068122	17.915718	13.454660
C	-6.455141	17.509003	11.224357
H	-7.244996	16.944381	10.728949
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H	-7.164526	19.286747	10.393370
H	-5.547816	19.387875	10.978272
H	-6.005694	18.711403	9.622549
N	-3.307130	24.627687	11.825048
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---

Return

([n-C<sub>4</sub>mim][BF<sub>4</sub>])<sub>10</sub>

Atomic Number	Atomic Coordinates (Angstroms)		
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C	-17.17410513	4.44705740	-1.88699074
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C	-15.95978504	4.03324439	-3.59822962
C	-14.70354838	4.56746349	-1.54130495
C	-17.66039174	3.57637997	-5.32845262
C	-17.83876630	4.86381231	-6.15461843
C	-18.88067908	5.77068731	-5.47370078
C	-19.05971017	7.05741482	-6.30064811
H	-19.05476603	4.16436609	-2.91214254
H	-17.47615839	4.69333381	-0.89047622
H	-15.10613926	3.88665837	-4.22639709
H	-13.91191478	3.96070361	-1.92873575
H	-14.89107845	4.30103795	-0.52211850
H	-14.42147617	5.59825755	-1.59436439
H	-18.59548809	3.05993970	-5.26635482
H	-16.93598757	2.94674984	-5.80133516
H	-18.17391596	4.61211977	-7.13912766
H	-16.90357593	5.37991534	-6.21730233
H	-18.54507869	6.02296369	-4.48946588
H	-19.81575631	5.25457450	-5.41033011
H	-19.78352847	7.68761983	-5.82756401
H	-19.39541296	6.80502447	-7.28477950
H	-18.12461393	7.57357212	-6.36420110
B	-12.22582788	2.95002478	-4.54757893
F	-13.02066554	3.58018407	-5.59769435
F	-10.96161824	2.48232601	-5.10851294
F	-11.95951616	3.92069941	-3.48999902
F	-12.96152118	1.81687874	-3.99410176
N	-11.10851038	-1.99290018	-4.06288211
C	-12.30417179	-2.53292386	-3.81680619
C	-13.18291317	-1.93102847	-4.63848013
N	-12.49553928	-1.04299184	-5.35992266
C	-11.24653902	-1.09684107	-4.99707083
C	-13.05389501	-0.15471831	-6.38946158
C	-9.84961262	-2.34927626	-3.39257346
C	-9.15960967	-3.48784677	-4.16673688
C	-10.08562230	-4.71775691	-4.20480412
C	-10.38291910	-5.18120177	-2.76658578
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H	-14.23297815	-2.12678601	-4.70161590
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H	-12.30860761	0.04455783	-7.13091932
H	-10.05643931	-2.67169633	-2.39344679
H	-9.20580624	-1.49504638	-3.36570471
H	-8.24314428	-3.74651263	-3.67877877
H	-8.95309414	-3.16577166	-5.16598313
H	-9.60596852	-5.50879087	-4.74250704
H	-11.00211146	-4.45926706	-4.69280026
H	-10.86253056	-4.39009570	-2.22897141
H	-9.46649207	-5.43974242	-2.27849317
H	-11.02633697	-6.03570916	-2.79301012
B	-16.95069954	-0.11563123	-5.20051917
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F	-17.53671201	-0.90810057	-4.12339787
F	-18.00691614	0.60739813	-5.90282468
F	-16.26143418	-0.99981877	-6.13579064
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C	-12.37174534	-3.37744506	5.78754418
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C	-11.55474845	-5.34345719	5.58298714
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C	-12.82852013	-6.46756569	2.77691591
C	-12.58100143	-7.24184813	1.46897925
C	-13.83599320	-8.05952811	1.11139767
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H	-11.13741150	-6.29965622	5.82029689
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H	-14.66744544	-7.39850320	0.98247121
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C	-14.83582353	-2.63151411	2.58813685
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H	-4.46129718	-6.18692117	-1.96264656
H	-5.26801222	-6.62741552	-0.47663297
H	-3.24001206	-7.82060814	0.27057097
H	-2.43309112	-7.37954140	-1.21516595

H	-4.93997959	-9.06054353	-1.02092856
H	-3.33857635	-9.67169000	-1.36014184
H	-4.13310494	-8.61938466	-2.50664633
B	-10.33306900	-2.46111711	8.03063613
F	-9.50174973	-3.46949234	7.37975438
F	-9.59721353	-1.86819284	9.14355588
F	-10.67994029	-1.42044455	7.06713533
F	-11.55341445	-3.08632617	8.53211528
N	-11.36736801	1.98370238	7.18283637
C	-11.84559704	1.28303558	6.15231019
C	-12.45482777	2.15806525	5.33228449
N	-12.32930278	3.36487752	5.88851239
C	-11.67023894	3.23710235	7.00387049
C	-12.84738380	4.62438931	5.33522335
C	-10.62476224	1.43298171	8.32565780
C	-10.89102717	2.29431491	9.57415543
C	-10.11351907	1.71686533	10.77151434
C	-10.37967975	2.57808286	12.02012825
H	-11.76052303	0.22647370	6.00632283
H	-12.94650270	1.93011991	4.40973158
H	-11.41738680	4.03639842	7.66879188
H	-12.10584868	5.06873907	4.70467265
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H	-13.72975717	4.42641726	4.76327429
H	-9.57747338	1.43734762	8.10615427
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H	-10.56886664	3.29792757	9.39029189
H	-9.06622494	1.72082185	10.55209331
H	-10.43563727	0.71323198	10.95531724
H	-9.83938165	2.17681437	12.85196713
H	-11.42693346	2.57402496	12.23961327
H	-10.05766487	3.58177537	11.83638212
B	-10.77751888	-0.98558536	0.00345257
F	-9.59713260	-0.12858290	0.06536380
F	-10.36902203	-2.38412443	0.09751191
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Return

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C	-12.83360410	-5.46657064	1.28488596
N	-13.56623825	-5.25076558	2.37960075
C	-14.09346487	-4.06365882	2.29417039
C	-13.74717028	-6.19357428	3.49270046
C	-14.10892872	-2.16732772	0.71356213
C	-15.50293743	-1.81481769	1.26536737
C	-15.90732278	-0.41074508	0.77885338
C	-17.30116213	-0.05789718	1.33050839
H	-12.46695371	-4.20017196	-0.42662840
H	-12.27401552	-6.34959819	1.05685129
H	-14.73111561	-3.61519027	3.02703060
H	-12.87416750	-6.80480054	3.58786187
H	-14.59758747	-6.81373878	3.30000427
H	-13.90163212	-5.64840841	4.40037196
H	-14.13475552	-2.15343237	-0.35606455
H	-13.39561360	-1.45023098	1.06254190
H	-15.47694098	-1.82799065	2.33498429
H	-16.21644513	-2.53214712	0.91708211
H	-15.93327306	-0.39768447	-0.29078657
H	-15.19390518	0.30662566	1.12709421
H	-18.01469075	-0.77515715	0.98221948
H	-17.58198511	0.91766282	0.99243925
H	-17.27525742	-0.07099312	2.40012841
B	-12.97127972	-1.68328177	4.67937325
F	-13.06452400	-0.84249698	5.86929006
F	-12.56106477	-0.86907824	3.53904204
F	-11.98632374	-2.73724434	4.90420185
F	-14.27320877	-2.28429967	4.40495481
N	-9.00879608	1.84797394	-4.38100514
C	-8.66302646	2.68792664	-3.40290127
C	-8.12310824	1.94457214	-2.42029427
N	-8.15681606	0.67462585	-2.82982317
C	-8.69487529	0.63883876	-4.01470248
C	-7.66910531	-0.48660170	-2.07161442
C	-9.63739230	2.22476389	-5.65547284
C	-11.16932271	2.19628540	-5.50120366
C	-11.82713703	2.59205956	-6.83631287
C	-11.40375787	1.59731852	-7.93315841
H	-8.79095018	3.75034787	-3.40089025
H	-7.73961321	2.30294920	-1.48787590
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H	-7.76992154	-0.29617626	-1.02353067
H	-6.63912594	-0.65827699	-2.30545114
H	-8.24317075	-1.35056533	-2.33404576
H	-9.34289734	1.53293780	-6.41668106
H	-9.32490491	3.21086629	-5.92926572
H	-11.46399600	2.88782450	-4.73974479
H	-11.48201524	1.21014741	-5.22791801
H	-11.51418157	3.57815783	-7.10934637
H	-12.89151013	2.57243837	-6.72891119
H	-11.86119591	1.87302264	-8.86034428
H	-11.71671192	0.61114006	-7.66038055
H	-10.33938274	1.61664429	-8.04095081
B	-6.95611345	0.23675891	-6.74208673
F	-7.12634569	1.64037453	-7.10594484
F	-6.57150845	0.14152054	-5.33691119
F	-8.21265855	-0.47633839	-6.95212777
F	-5.91391586	-0.35852859	-7.57337947
N	-1.94919948	4.10127612	7.69823895

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C	-0.91506441	8.20360453	8.40261838
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H	-4.43211628	2.14537463	8.14047606
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H	-2.82057282	0.05426682	8.21221694
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H	-1.49893432	5.86047556	9.68394876
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H	-0.39744795	9.13750757	8.33407069
H	-1.72615608	8.29518014	9.09428995
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B	-4.52385136	-3.91278847	-4.30051897
F	-3.63116782	-3.53535876	-5.39238343
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F	-4.49334176	-2.88101130	-3.26798699
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N	-0.84841821	-8.02571980	2.23302895
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H	5.38751247	-6.65805955	1.21512161
H	4.34384480	-5.98042954	-0.01166525
B	-3.30349679	-6.69673951	-9.56698702
F	-3.12204533	-8.04695526	-9.04211289
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C	3.23633209	-6.02162985	-6.40221362
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Return

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C	-4.73244814	-0.74021810	1.43975177
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C	-8.38930456	-3.70654546	-2.16803207
C	-9.68179447	-3.77532072	-3.00247092
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