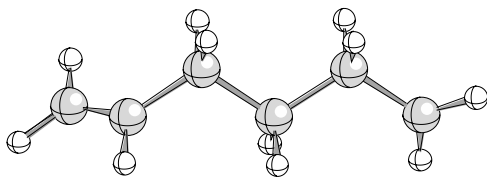
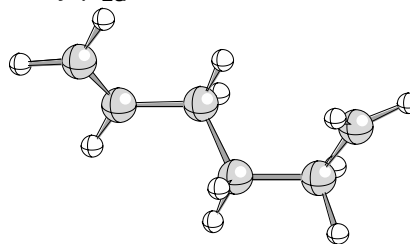


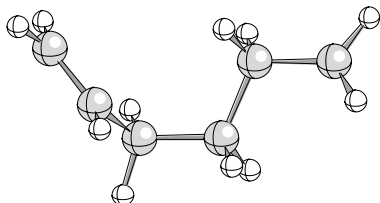
5-hexenyl(E)



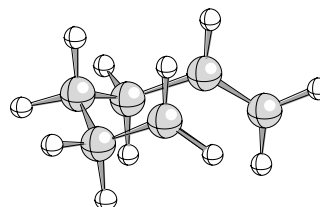
C	3.056220	-0.427927	-0.124056
C	1.852361	0.452288	-0.094900
C	0.537531	-0.308702	0.149851
C	-0.700151	0.607687	0.134171
C	-1.979627	-0.130904	0.418166
C	-3.016814	-0.225700	-0.414620
H	3.000782	-1.425167	-0.551897
H	4.039695	-0.044221	0.128330
H	1.759742	1.003949	-1.051069
H	0.597447	-0.831206	1.114269
H	0.418195	-1.087924	-0.615169
H	-0.559631	1.397689	0.888597
H	-0.773403	1.114034	-0.837679
H	-2.032050	-0.631841	1.386979
H	-3.913311	-0.782083	-0.153915
H	-3.010776	0.254532	-1.391485
H	1.976194	1.231789	0.671363

5-hexenyl(G_{23})

C	-2.423747	0.965624	-0.048634
C	-1.997140	-0.462774	0.021169
C	-0.537500	-0.705446	-0.408244
C	0.492610	-0.058819	0.537355
C	1.913960	-0.337437	0.131704
C	2.815992	0.586281	-0.202474
H	-3.199900	1.355407	0.602284
H	-2.092625	1.598520	-0.868008
H	-2.151474	-0.850720	1.038590
H	-0.353855	-1.787327	-0.461973
H	-0.386647	-0.316563	-1.424672
H	0.319566	-0.445614	1.554152
H	0.321916	1.024033	0.582947
H	2.202120	-1.390551	0.104544
H	3.828631	0.320972	-0.494948
H	2.576183	1.648009	-0.192482
H	-2.648963	-1.080738	-0.625689

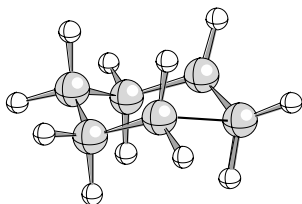
5-hexenyl(G_{34})

C	-2.760216	-0.551161	0.161727
C	-1.334834	-0.454358	-0.265426
C	-0.680415	0.894046	0.081067
C	0.807941	0.982726	-0.314653
C	1.693656	0.040927	0.456000
C	2.472507	-0.902850	-0.075229
H	-3.094407	-0.082589	1.083524
H	-3.453283	-1.219211	-0.339898
H	-0.736773	-1.260110	0.199999
H	-1.231896	1.701652	-0.417043
H	-0.779405	1.075462	1.161366
H	1.147179	2.014891	-0.140438
H	0.917479	0.795826	-1.391500
H	1.677277	0.162044	1.541517
H	3.094178	-1.547689	0.540395
H	2.522432	-1.063117	-1.150620
H	-1.254621	-0.633142	-1.348206

5-hexenyl($G_{23}G_{34}$)

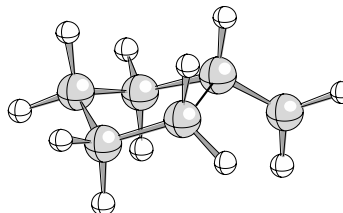
C	1.341266	1.468605	0.194585
C	1.684607	0.153028	-0.419274
C	0.966577	-1.062196	0.217358
C	-0.536330	-1.162478	-0.108151
C	-1.381492	-0.042311	0.435472
C	-2.259092	0.674394	-0.270078
H	1.522899	1.641645	1.252060
H	0.899097	2.275624	-0.377682
H	2.769881	-0.027559	-0.326299
H	1.472303	0.170043	-1.496358
H	1.103988	-1.029644	1.307630
H	1.456747	-1.982758	-0.127235
H	-0.674099	-1.231257	-1.195902
H	-0.903615	-2.112806	0.310163
H	-1.271786	0.158894	1.502627
H	-2.861937	1.454445	0.187299
H	-2.406697	0.509118	-1.335770

endo TS



C	1.006159	1.344191	-0.276359
C	1.491207	0.030260	0.271521
C	0.732904	-1.213796	-0.237132
C	-0.747296	-1.285733	0.222693
C	-1.487598	-0.058034	-0.278070
C	-1.276668	1.164383	0.275948
H	0.920574	1.442836	-1.356644
H	1.298404	2.255059	0.243256
H	2.560931	-0.102907	0.025111
H	1.449959	0.049750	1.371236
H	0.771668	-1.238217	-1.335366
H	1.248665	-2.117427	0.114084
H	-1.207035	-2.195594	-0.134470
H	-0.768997	-1.298395	1.321426
H	-1.957263	-0.125941	-1.259746
H	-1.702812	2.065896	-0.156746
H	-0.926342	1.257310	1.301061

exo TS



C	0.497827	1.460353	0.188255
C	1.538351	0.539674	-0.378371
C	1.300301	-0.880064	0.167780
C	-0.171077	-1.236102	-0.002190
C	-1.099761	-0.145153	0.413182
C	-2.226205	0.233900	-0.267304
H	0.592915	1.748018	1.234375
H	0.047602	2.217491	-0.447060
H	2.559311	0.874044	-0.132629
H	1.468620	0.521735	-1.473897
H	1.503165	-0.892392	1.248336
H	1.975624	-1.612955	-0.291380
H	-0.337782	-1.390118	-1.157061
H	-0.422331	-2.184396	0.413943
H	-1.081548	0.027905	1.489329
H	-2.968799	0.888967	0.179097
H	-2.373393	-0.033971	-1.311129