(CH3)2O-C6F6 LP away eclipsed dimer MP2/aug-cc-pVDZ
R=4.5 Angstroms
Interaction Energy=-2.10 kcal/mol

C	0.00000000	1.38980100	-0.87356400
C	-1.20360300	0.69490100	-0.87356400
C	1.20360300	0.69490100	-0.87356400
C	-1.20360300	-0.69490100	-0.87356400
C	1.20360300	-0.69490100	-0.87356400
C	0.00000000	-1.38980100	-0.87356400
F	0.00000000	2.71953700	-0.87356400
F	-2.35518800	1.35976900	-0.87356400
F	2.35518800	1.35976900	-0.87356400
F	-2.35518800	-1.35976900	-0.87356400
F	2.35518800	-1.35976900	-0.87356400
F	0.00000000	-2.71953700	-0.87356400
O	0.00000000	0.00000000	3.62643600
C	0.00000000	1.16175600	2.82364700
H	0.00000000	2.01887900	3.49162000
H	0.88948800	1.19972200	2.18557000
H	-0.88948800	1.19972200	2.18557000
C	0.00000000	-1.16175600	2.82364700
H	0.00000000	-2.01887900	3.49162000
H	-0.88948800	-1.19972200	2.18557000
H	0.88948800	-1.19972200	2.18557000

(CH3)2O-C6F6 LP away staggered dimer MP2/aug-cc-pVDZ
R=4.5 Angstroms
Interaction Energy=-2.08 kcal/mol

C	0.00000000	1.38980100	-0.87356400
C	-1.20360300	0.69490000	-0.87356400
C	1.20360300	0.69490000	-0.87356400
C	-1.20360300	-0.69490000	-0.87356400
C	1.20360300	-0.69490000	-0.87356400
C	0.00000000	-1.38980100	-0.87356400
F	0.00000000	2.71953700	-0.87356400
F	-2.35518800	1.35976800	-0.87356400
F	2.35518800	1.35976800	-0.87356400
F	-2.35518800	-1.35976800	-0.87356400
F	2.35518800	-1.35976800	-0.87356400
F	0.00000000	-2.71953700	-0.87356400
O	0.00000000	0.00000000	3.62643600
C	-1.16175600	0.00000000	2.82364700
H	-2.01887900	0.00000000	3.49162000
H	-1.19972200	0.88948800	2.18557000
H	-1.19972200	-0.88948800	2.18557000
C	1.16175600	0.00000000	2.82364700
H	2.01887900	0.00000000	3.49162000
H	1.19972200	-0.88948800	2.18557000
H	1.19972200	0.88948800	2.18557000

(CH3)2O-C6H5NO2 LP away eclipsed dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.25 kcal/mol

C	-1.15481600	-2.18413200	0.00000000

```
 C                 -1.15481600   -1.48761400   -1.20800400
 C                 -1.15481600   -1.48761400    1.20800400
 C                 -1.15481600   -0.09543300   -1.21907200
 C                 -1.15481600   -0.09543300    1.21907200
 C                 -1.15481600    0.57008000    0.00000000
 H                 -1.15481600   -3.26576400    0.00000000
 H                 -1.15481600   -2.02763200   -2.14510600
 H                 -1.15481600   -2.02763200    2.14510600
 H                 -1.15481600    0.47098200   -2.13807800
 H                 -1.15481600    0.47098200    2.13807800
 N                 -1.15481600    2.04105400    0.00000000
 O                 -1.15481600    2.60970200   -1.09054600
 O                 -1.15481600    2.60970200    1.09054600
 O                  3.44518400   -0.80702700    0.00000000
 C                  2.64239500   -1.96878300    0.00000000
 H                  3.31036800   -2.82590600    0.00000000
 H                  2.00431800   -2.00674900    0.88948800
 H                  2.00431800   -2.00674900   -0.88948800
 C                  2.64239500    0.35472900    0.00000000
 H                  3.31036800    1.21185200    0.00000000
 H                  2.00431800    0.39269500   -0.88948800
 H                  2.00431800    0.39269500    0.88948800

(CH3)2O-C6H5NO2 LP away staggered dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.12 kcal/mol
 C                  1.15481600   -2.18413200    0.00000000
 C                  1.15481600   -1.48761400    1.20800400
 C                  1.15481600   -1.48761400   -1.20800400
 C                  1.15481600   -0.09543300    1.21907200
 C                  1.15481600   -0.09543300   -1.21907200
 C                  1.15481600    0.57008000    0.00000000
 H                  1.15481600   -3.26576400    0.00000000
 H                  1.15481600   -2.02763200    2.14510600
 H                  1.15481600   -2.02763200   -2.14510600
 H                  1.15481600    0.47098200    2.13807800
 H                  1.15481600    0.47098200   -2.13807800
 N                  1.15481600    2.04105400    0.00000000
 O                  1.15481600    2.60970200    1.09054600
 O                  1.15481600    2.60970200   -1.09054600
 O                 -3.44518400   -0.80702700    0.00000000
 C                 -2.64239500   -0.80702700    1.16175600
 H                 -3.31036800   -0.80702700    2.01887900
 H                 -2.00431800   -1.69651400    1.19972200
 H                 -2.00431800    0.08246100    1.19972200
 C                 -2.64239500   -0.80702700   -1.16175600
 H                 -3.31036800   -0.80702700   -2.01887900
 H                 -2.00431800    0.08246100   -1.19972200
 H                 -2.00431800   -1.69651400   -1.19972200

(CH3)2O-C6H5CN LP away eclipsed dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.25 kcal/mol
 C                  0.23303200    2.30829900    0.00000000
```

C	0.56317100	1.69489800	-1.20782300
C	0.56317100	1.69489700	1.20782300
C	1.22237200	0.47009700	-1.21508800
C	1.22237200	0.47009700	1.21508800
C	1.55160800	-0.14162800	0.00000000
H	-0.27965100	3.26086700	0.00000000
H	0.30734800	2.17022000	-2.14516100
H	0.30734700	2.17021900	2.14516100
H	1.48351600	-0.01511100	-2.14577500
H	1.48351600	-0.01511200	2.14577500
C	2.22997200	-1.40203200	0.00000000
N	2.78619800	-2.43550700	0.00000000
O	-3.15827100	-1.09673600	0.00000000
C	-3.00195400	0.30672900	0.00000000
H	-3.99636100	0.74490800	0.00000000
H	-2.45808000	0.64256300	0.88948800
H	-2.45808000	0.64256300	-0.88948800
C	-1.90077500	-1.73927100	0.00000000
H	-2.08275200	-2.81059300	0.00000000
H	-1.32091500	-1.47030000	-0.88948800
H	-1.32091500	-1.47030000	0.88948800

(CH3)2O-C6H5CN LP away staggered dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.09 kcal/mol

C	-0.40726900	2.28400500	0.00000000
C	-0.68998000	1.64735200	1.20782300
C	-0.68997900	1.64735200	-1.20782300
C	-1.25447800	0.37612200	1.21508800
C	-1.25447800	0.37612200	-1.21508800
C	-1.53641600	-0.25879100	0.00000000
H	0.03176100	3.27268300	0.00000000
H	-0.47090900	2.14069100	2.14516100
H	-0.47090800	2.14069100	-2.14516100
H	-1.47810600	-0.12747900	2.14577500
H	-1.47810600	-0.12747900	-2.14577500
C	-2.11732400	-1.56697400	0.00000000
N	-2.59364200	-2.63962400	0.00000000
O	3.23229400	-0.85427100	0.00000000
C	2.49859100	-0.52846500	1.16175600
H	3.10908000	-0.79955700	2.01887900
H	2.27641700	0.54343500	1.19972200
H	1.55443300	-1.08244700	1.19972200
C	2.49859100	-0.52846400	-1.16175600
H	3.10908100	-0.79955600	-2.01887900
H	1.55443300	-1.08244600	-1.19972200
H	2.27641800	0.54343600	-1.19972200

(CH3)2O-C6H5CF3 LP away eclipsed F towards dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.44 kcal/mol

C	-0.94330100	2.50092900	0.00118600
C	-0.45868700	2.00046500	-1.20611000
C	-0.45868700	2.00046500	1.20848200

```
 C                  0.50974400    1.00025500   -1.21046300
 C                  0.50974400    1.00025500    1.21283500
 C                  0.99014300    0.50675400    0.00118600
 H                 -1.69380100    3.28012600    0.00118600
 H                 -0.83170300    2.39053000   -2.14360200
 H                 -0.83170300    2.39053000    2.14597400
 H                  0.89459800    0.61049200   -2.14270300
 H                  0.89459800    0.61049200    2.14507500
 C                  1.99451900   -0.60436500    0.00118600
 F                  1.39595800   -1.81223200    0.00118600
 F                  2.79004700   -0.56595600   -1.08106800
 F                  2.79004700   -0.56595600    1.08344000
 O                 -3.28202300   -1.69658100   -0.00406300
 C                 -3.51339600   -0.30352200   -0.00315000
 H                 -4.58950200   -0.15238400   -0.00391700
 H                 -3.08212600    0.16689700    0.88706500
 H                 -3.08066100    0.16830500   -0.89190900
 C                 -1.89715700   -1.97279700   -0.00314100
 H                 -1.78083100   -3.05322100   -0.00390000
 H                 -1.41160400   -1.55552200   -0.89189900
 H                 -1.41306900   -1.55693000    0.88707500

(CH3)2O-C6H5CF3 LP away staggered F towards dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.32 kcal/mol
 C                  0.78462200    2.55515800   -0.00118600
 C                  0.33234400    2.02529000    1.20611000
 C                  0.33234400    2.02529000   -1.20848200
 C                 -0.57146300    0.96632200    1.21046300
 C                 -0.57146300    0.96632200   -1.21283500
 C                 -1.01997100    0.44366900   -0.00118600
 H                  1.48478400    3.37988200   -0.00118600
 H                  0.68016600    2.43797800    2.14360200
 H                  0.68016600    2.43797800   -2.14597400
 H                 -0.93111900    0.55319400    2.14270300
 H                 -0.93111900    0.55319400   -2.14507500
 C                 -1.95269700   -0.72824400   -0.00118600
 F                 -1.27957300   -1.89620000   -0.00118600
 F                 -2.74906700   -0.73979400    1.08106800
 F                 -2.74906700   -0.73979400   -1.08344000
 O                  3.38194900   -1.48744000    0.00406300
 C                  2.77031000   -0.96542500    1.16490100
 H                  3.27764400   -1.39842900    2.02278600
 H                  2.86237600    0.12540400    1.20214200
 H                  1.70749500   -1.22774200    1.20213500
 C                  2.77233500   -0.96714100   -1.15861000
 H                  3.28116300   -1.40141000   -2.01496900
 H                  1.70958600   -1.22951400   -1.19730800
 H                  2.86446700    0.12363200   -1.19730100

(CH3)2O-C6H5CF3 LP away eclipsed F away dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.37 kcal/mol
 C                 -0.92828700    2.48770900    0.00118900
```

C	-0.45340900	1.97799700	1.20848500
C	-0.45340900	1.97799700	-1.20610700
C	0.49567000	0.95940500	1.21283800
C	0.49567000	0.95940500	-1.21046000
C	0.96381000	0.45426000	0.00118900
H	-1.66785200	3.27729100	0.00118900
H	-0.82377300	2.37058100	2.14597700
H	-0.82377300	2.37058100	-2.14359900
H	0.86512300	0.55501400	2.14507800
H	0.86512300	0.55501400	-2.14270000
C	2.02180100	-0.60593300	0.00118900
F	3.25885500	-0.07028700	0.00118900
F	1.94252700	-1.39843300	1.08344300
F	1.94252700	-1.39843300	-1.08106500
O	-3.34704800	-1.66419400	-0.00407100
C	-3.55167300	-0.26695600	-0.00314900
H	-4.62468400	-0.09521600	-0.00390900
H	-3.11145900	0.19510300	0.88706700
H	-3.10997700	0.19649400	-0.89190800
C	-1.96773300	-1.96690900	-0.00315900
H	-1.87214000	-3.04936400	-0.00392500
H	-1.47427400	-1.55901400	-0.89191700
H	-1.47575600	-1.56040400	0.88705700

(CH3)2O-C6H5CF3 LP away staggered F away dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.24 kcal/mol

C	0.78363600	2.53699200	-0.00118900
C	0.33886700	2.00080500	-1.20848500
C	0.33886700	2.00080500	1.20610700
C	-0.55004200	0.92930100	-1.21283800
C	-0.55004200	0.92930100	1.21046000
C	-0.98834600	0.39806100	-0.00118900
H	1.47655400	3.36781100	-0.00118900
H	0.68603300	2.41404500	-2.14597700
H	0.68603300	2.41404500	2.14359900
H	-0.89561900	0.50432600	-2.14507800
H	-0.89561900	0.50432600	2.14270000
C	-1.98359500	-0.72124000	-0.00118900
F	-3.24941400	-0.25764600	-0.00118900
F	-1.85886100	-1.50786700	-1.08344300
F	-1.85886100	-1.50786700	1.08106500
O	3.43724300	-1.46888900	0.00407100
C	2.81836900	-0.95547100	1.16490900
H	3.33171400	-1.38133200	2.02279500
H	2.89517200	0.13653900	1.20214300
H	1.75932700	-1.23262500	1.20215000
C	2.82040600	-0.95717300	-1.15860100
H	3.33525300	-1.38428900	-2.01496100
H	1.76143000	-1.23438200	-1.19729200
H	2.89727500	0.13478200	-1.19730000

(CH3)2O-C6H5Br LP away eclipsed dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms

Interaction Energy=-2.63 kcal/mol

C	-1.01895500	2.48796800	0.00000000
C	-1.01895500	1.78893800	1.20545100
C	-1.01895500	1.78893800	-1.20545100
C	-1.01895500	0.39529300	1.21387200
C	-1.01895500	0.39529300	-1.21387200
C	-1.01895500	-0.28664400	0.00000000
H	-1.01895500	3.56939800	0.00000000
H	-1.01895500	2.32561700	2.14486500
H	-1.01895500	2.32561700	-2.14486500
H	-1.01895500	-0.15521400	2.14419000
H	-1.01895500	-0.15521400	-2.14419000
Br	-1.01895500	-2.16988900	0.00000000
O	3.58104500	1.10066200	0.00000000
C	2.77825600	2.26241900	0.00000000
H	3.44622900	3.11954100	0.00000000
H	2.14017900	2.30038500	-0.88948800
H	2.14017900	2.30038500	0.88948800
C	2.77825600	-0.06109400	0.00000000
H	3.44622800	-0.91821600	0.00000000
H	2.14017900	-0.09906000	0.88948800
H	2.14017900	-0.09906000	-0.88948800

(CH3)2O-C6H5Br LP away staggered dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.46 kcal/mol

C	-1.01895500	-2.48796800	0.00000000
C	-1.01895500	-1.78893800	-1.20545100
C	-1.01895500	-1.78893800	1.20545100
C	-1.01895500	-0.39529300	-1.21387200
C	-1.01895500	-0.39529300	1.21387200
C	-1.01895500	0.28664400	0.00000000
H	-1.01895500	-3.56939800	0.00000000
H	-1.01895500	-2.32561700	-2.14486500
H	-1.01895500	-2.32561700	2.14486500
H	-1.01895500	0.15521400	-2.14419000
H	-1.01895500	0.15521400	2.14419000
Br	-1.01895500	2.16988900	0.00000000
O	3.58104500	-1.10066200	0.00000000
C	2.77825600	-1.10066300	-1.16175600
H	3.44622900	-1.10066300	-2.01887900
H	2.14017900	-1.99015000	-1.19972200
H	2.14017900	-0.21117500	-1.19972200
C	2.77825600	-1.10066300	1.16175600
H	3.44622900	-1.10066300	2.01887900
H	2.14017900	-0.21117500	1.19972200
H	2.14017900	-1.99015000	1.19972200

(CH3)2O-C6H5Cl LP away eclipsed dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.54 kcal/mol

C	1.23730300	-1.99305400	0.00000000
C	1.23730200	-1.29370800	1.20573600
C	1.23730200	-1.29370800	-1.20573600

C	1.23730200	0.09977300	1.21389000
C	1.23730200	0.09977300	-1.21389000
C	1.23730300	0.78056400	0.00000000
H	1.23730300	-3.07449200	0.00000000
H	1.23730100	-1.83014500	2.14538700
H	1.23730100	-1.83014500	-2.14538700
H	1.23730100	0.65454700	2.14171100
H	1.23730100	0.65454700	-2.14171100
Cl	1.23730300	2.51707000	0.00000000
O	-3.36269700	-0.60624400	0.00000000
C	-2.55990800	-1.76800000	0.00000000
H	-3.22788100	-2.62512300	0.00000000
H	-1.92183000	-1.80596400	-0.88948900
H	-1.92183000	-1.80596400	0.88948900
C	-2.55990800	0.55551200	0.00000000
H	-3.22788100	1.41263500	0.00000000
H	-1.92183200	0.59347700	0.88949000
H	-1.92183200	0.59347700	-0.88949000

(CH3)2O-C6H5Cl LP away staggered dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.39 kcal/mol

C	-1.23730300	-1.99305400	0.00000000
C	-1.23730200	-1.29370900	-1.20573500
C	-1.23730200	-1.29370900	1.20573500
C	-1.23730200	0.09977200	-1.21389000
C	-1.23730200	0.09977200	1.21389000
C	-1.23730300	0.78056400	0.00000000
H	-1.23730300	-3.07449200	0.00000000
H	-1.23730100	-1.83014700	-2.14538500
H	-1.23730100	-1.83014700	2.14538500
H	-1.23730100	0.65454500	-2.14171100
H	-1.23730100	0.65454500	2.14171100
Cl	-1.23730300	2.51707000	0.00000000
O	3.36269700	-0.60624400	0.00000000
C	2.55990900	-0.60624600	-1.16175600
H	3.22788200	-0.60624800	-2.01887800
H	1.92183200	-1.49573400	-1.19972000
H	1.92183200	0.28324200	-1.19972400
C	2.55990900	-0.60624600	1.16175600
H	3.22788200	-0.60624800	2.01887800
H	1.92183200	0.28324200	1.19972400
H	1.92183200	-1.49573400	1.19972000

(CH3)2O-C6H5F LP away eclipsed dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.24 kcal/mol

C	0.99899500	-1.91902900	0.00000000
C	1.14062100	-1.23545600	1.20660000
C	1.14062100	-1.23545600	-1.20659900
C	1.42337900	0.12931000	1.21548100
C	1.42337900	0.12930900	-1.21548100
C	1.55854600	0.78170900	0.00000000
H	0.77963000	-2.97782300	0.00000000

```
 H                  1.03153400   -1.76197300    2.14526100
 H                  1.03153500   -1.76197400   -2.14526100
 H                  1.53834700    0.68422000    2.13586400
 H                  1.53834800    0.68421900   -2.13586400
 F                  1.83238000    2.10340100    0.00000000
 O                 -3.22557000    0.36456800    0.00000000
 C                 -2.67516800   -0.93589500    0.00000000
 H                 -3.50313900   -1.63967800    0.00000000
 H                 -2.05806200   -1.10252200   -0.88948800
 H                 -2.05806300   -1.10252200    0.88948800
 C                 -2.20378300    1.33929800    0.00000000
 H                 -2.68397600    2.31411200    0.00000000
 H                 -1.57127300    1.24702400    0.88948800
 H                 -1.57127300    1.24702500   -0.88948700

(CH3)2O-C6H5F LP away staggered dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.14 kcal/mol
 C                  1.05543900    1.88857500    0.00000000
 C                  1.17674000    1.20110400   -1.20659900
 C                  1.17674000    1.20110300    1.20660000
 C                  1.41892000   -0.17144300   -1.21548200
 C                  1.41892100   -0.17144400    1.21548100
 C                  1.53469000   -0.82756200    0.00000000
 H                  0.86755300    2.95340600    0.00000100
 H                  1.08330800    1.73062500   -2.14526000
 H                  1.08330900    1.73062300    2.14526200
 H                  1.51739000   -0.72951700   -2.13586500
 H                  1.51739100   -0.72951800    2.13586400
 F                  1.76922700   -2.15679000   -0.00000100
 O                 -3.23495900   -0.26879800    0.00000000
 C                 -2.44438200   -0.12930300   -1.16175600
 H                 -3.10219400   -0.24537100   -2.01887900
 H                 -1.97057100    0.85752700   -1.19972100
 H                 -1.66145300   -0.89438600   -1.19972300
 C                 -2.44438200   -0.12930500    1.16175600
 H                 -3.10219300   -0.24537400    2.01887900
 H                 -1.66145300   -0.89438800    1.19972100
 H                 -1.97057100    0.85752500    1.19972300

(CH3)2O-C6H6 LP away eclipsed dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.27 kcal/mol
 C                  0.00000000    1.39150000   -1.52843300
 C                 -1.20507400    0.69575000   -1.52843300
 C                  1.20507400    0.69575000   -1.52843300
 C                 -1.20507400   -0.69575000   -1.52843300
 C                  1.20507400   -0.69575000   -1.52843300
 C                  0.00000000   -1.39150000   -1.52843300
 H                  0.00000000    2.47150000   -1.52843300
 H                 -2.14038200    1.23575000   -1.52843300
 H                  2.14038200    1.23575000   -1.52843300
 H                 -2.14038200   -1.23575000   -1.52843300
 H                  2.14038200   -1.23575000   -1.52843300
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 H                  0.00000000   -2.47150000   -1.52843300
 O                  0.00000000    0.00000000    3.07156700
 C                  0.00000000    1.16175600    2.26877800
 H                  0.00000000    2.01887900    2.93675100
 H                  0.88948800    1.19972200    1.63070100
 H                 -0.88948800    1.19972200    1.63070100
 C                  0.00000000   -1.16175600    2.26877800
 H                  0.00000000   -2.01887900    2.93675100
 H                 -0.88948800   -1.19972200    1.63070100
 H                  0.88948800   -1.19972200    1.63070100

(CH3)2O-C6H6 LP away staggered dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.27 kcal/mol
 C                  0.00000000    1.39150000   -1.52843300
 C                 -1.20507400    0.69575000   -1.52843300
 C                  1.20507400    0.69575000   -1.52843300
 C                 -1.20507400   -0.69575000   -1.52843300
 C                  1.20507400   -0.69575000   -1.52843300
 C                  0.00000000   -1.39150000   -1.52843300
 H                  0.00000000    2.47150000   -1.52843300
 H                 -2.14038200    1.23575000   -1.52843300
 H                  2.14038200    1.23575000   -1.52843300
 H                 -2.14038200   -1.23575000   -1.52843300
 H                  2.14038200   -1.23575000   -1.52843300
 H                  0.00000000   -2.47150000   -1.52843300
 O                  0.00000000    0.00000000    3.07156700
 C                 -1.16175600    0.00000000    2.26877800
 H                 -2.01887900    0.00000000    2.93675100
 H                 -1.19972200    0.88948800    1.63070100
 H                 -1.19972200   -0.88948800    1.63070100
 C                  1.16175600    0.00000000    2.26877800
 H                  2.01887900    0.00000000    2.93675100
 H                  1.19972200   -0.88948800    1.63070100
 H                  1.19972200    0.88948800    1.63070100

(CH3)2O-C6H5CH3 LP away eclipsed H towards dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.67 kcal/mol
 C                 -0.92668100   -2.00463200    0.00083500
 C                 -1.09478300   -1.32333000   -1.20334700
 C                 -1.08975900   -1.32178900    1.20483600
 C                 -1.42242400    0.03133800   -1.19944400
 C                 -1.41741700    0.03287400    1.20056600
 C                 -1.58584000    0.72915200    0.00046100
 H                 -0.67573300   -3.05712900    0.00098500
 H                 -0.97535100   -1.84603100   -2.14371500
 H                 -0.96640400   -1.84328600    2.14536500
 H                 -1.55629800    0.55401600   -2.13963300
 H                 -1.54736900    0.55675500    2.14063600
 C                 -1.90589000    2.19778900    0.00018900
 H                 -0.99181900    2.79400600   -0.00210000
 H                 -2.48320800    2.47287100   -0.88158300
 H                 -2.47952500    2.47400100    0.88400800
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 O                  3.21384500    0.44344000   -0.00136100
 C                  2.70667200   -0.87448400   -0.00085600
 H                  3.55742500   -1.55055100   -0.00103500
 H                  2.09575400   -1.06118600    0.88891500
 H                  2.09505400   -1.06159700   -0.89006000
 C                  2.16043700    1.38390800   -0.00116400
 H                  2.60818800    2.37404300   -0.00156900
 H                  1.53096800    1.27059900   -0.89037800
 H                  1.53166800    1.27101000    0.88859800

(CH3)2O-C6H5CH3 LP away staggered H towards dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.56 kcal/mol
 C                 -0.99970600   -1.96923200    0.00141200
 C                 -1.14272300   -1.28253600   -1.20294700
 C                 -1.13752600   -1.28053700    1.20523500
 C                 -1.42037200    0.08325600   -1.19939600
 C                 -1.41519200    0.08524900    1.20061400
 C                 -1.55798100    0.78692400    0.00032800
 H                 -0.78759500   -3.03023800    0.00183500
 H                 -1.04262200   -1.80952300   -2.14317900
 H                 -1.03336600   -1.80596200    2.14590000
 H                 -1.53499900    0.61024800   -2.13972000
 H                 -1.52576200    0.61380100    2.14054800
 C                 -1.82385600    2.26632800   -0.00032600
 H                 -0.88849800    2.82855800   -0.00281200
 H                 -2.39072300    2.56219800   -0.88214800
 H                 -2.38691200    2.56366400    0.88344200
 O                  3.22796700    0.32506400   -0.00160900
 C                  2.44074500    0.16456900   -1.16293200
 H                  3.09494100    0.29722800   -2.02041500
 H                  1.99264700   -0.83422500   -1.20021200
 H                  1.63823700    0.90909000   -1.20089600
 C                  2.44179500    0.16569400    1.16058000
 H                  3.09676500    0.29918300    2.01734200
 H                  1.63932100    0.91025100    1.19854800
 H                  1.99373100   -0.83306400    1.19923200

(CH3)2O-C6H5CH3 LP away eclipsed H away dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.60 kcal/mol
 C                 -0.89958400   -2.01091500    0.00089000
 C                 -1.06779400   -1.32925800    1.20485700
 C                 -1.07277200   -1.33094900   -1.20332600
 C                 -1.40791500    0.02233000    1.20052400
 C                 -1.41287600    0.02064400   -1.19948600
 C                 -1.58776800    0.71570800    0.00039800
 H                 -0.63213500   -3.05934000    0.00107400
 H                 -0.93044400   -1.84723800    2.14538900
 H                 -0.93931000   -1.85025000   -2.14369000
 H                 -1.53261600    0.54756900    2.14054700
 H                 -1.54146300    0.54456300   -2.13972200
 C                 -1.98762400    2.16465200    0.00020700
 H                 -3.07412100    2.26723400    0.00238100
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 H                -1.60459900    2.67697600    0.88185500
 H                -1.60824900    2.67573600   -0.88373500
 O                 3.21822600    0.47517600   -0.00135800
 C                 2.72321000   -0.84736200   -0.00080400
 H                 3.58015200   -1.51556700   -0.00094400
 H                 2.11402500   -1.03964300    0.88896800
 H                 2.11335100   -1.04013500   -0.89000800
 C                 2.15620400    1.40590600   -0.00121300
 H                 2.59481900    2.40012100   -0.00165400
 H                 1.52781600    1.28676800   -0.89043000
 H                 1.52849000    1.28726000    0.88854600

(CH3)2O-C6H5CH3 LP away staggered H away dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.52 kcal/mol
 C                -0.97400800   -1.97594000    0.00161200
 C                -1.11660400   -1.28806800    1.20535000
 C                -1.12175300   -1.29039600   -1.20283300
 C                -1.40604500    0.07527100    1.20056400
 C                -1.41117700    0.07295000   -1.19944600
 C                -1.55995000    0.77446700    0.00020500
 H                -0.74587400   -3.03361600    0.00214700
 H                -0.99863800   -1.81049100    2.14605600
 H                -1.00780900   -1.81463900   -2.14302200
 H                -1.51101300    0.60512000    2.14041000
 H                -1.52016500    0.60098100   -2.13985800
 C                -1.90545200    2.23732500   -0.00047100
 H                -2.98736300    2.38038600    0.00170400
 H                -1.50353200    2.73529900    0.88098800
 H                -1.50730700    2.73359200   -0.88460200
 O                 3.23371800    0.35473600   -0.00162900
 C                 2.44792400    0.18732100   -1.16294200
 H                 3.10096200    0.32551800   -2.02043300
 H                 2.00845800   -0.81530500   -1.20011000
 H                 1.63902400    0.92488800   -1.20100200
 C                 2.44893500    0.18872600    1.16057000
 H                 3.10271900    0.32796000    2.01732400
 H                 1.64006900    0.92633900    1.19844100
 H                 2.00950200   -0.81385400    1.19933300

(CH3)2O-C6H5OCH3 LP away eclipsed O-LP towards dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.61 kcal/mol
 C                -0.01964100    2.26999000    0.00130800
 C                -0.34729000    1.65199900    1.20756200
 C                -1.00815600    0.42499300    1.20998900
 C                -1.33745200   -0.18180400   -0.00034200
 C                -1.01189700    0.42863300   -1.20985500
 C                -0.35102100    1.65562900   -1.20578000
 H                 0.49580700    3.22097000    0.00194200
 H                -0.08442700    2.12150000    2.14646000
 H                -1.26069500   -0.07696300    2.13510100
 H                -1.26729700   -0.07053900   -2.13568700
 H                -0.09105900    2.12795300   -2.14407000
```

O	-1.96336200	-1.41100600	-0.00122400
C	-3.38354400	-1.28174000	0.00116600
H	-3.79024600	-2.28909900	0.00028000
H	-3.72185900	-0.74762500	0.89212900
H	-3.72461000	-0.74494900	-0.88713500
O	3.37326400	-1.13371200	-0.00111400
C	3.21616000	0.26966500	-0.00014800
H	4.21032100	0.70840100	0.00012700
H	2.67207400	0.60580400	-0.88939100
H	2.67212100	0.60458400	0.88958400
C	2.11612800	-1.77695100	-0.00152300
H	2.29870600	-2.84817100	-0.00226200
H	1.53614000	-1.50891500	0.88816400
H	1.53609400	-1.50769500	-0.89081100

(CH3)2O-C6H5OCH3 LP away staggered O-LP towards dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.49 kcal/mol

C	-0.12333700	2.26672100	0.00266400
C	-0.42242900	1.63368300	1.20853300
C	-1.02654300	0.37776200	1.21019700
C	-1.32774800	-0.24272200	-0.00051100
C	-1.03040300	0.38267600	-1.20964500
C	-0.42627900	1.63858400	-1.20480700
H	0.34812200	3.24025800	0.00388900
H	-0.18130900	2.11414100	2.14772300
H	-1.25590000	-0.13576300	2.13499700
H	-1.26271300	-0.12709000	-2.13578600
H	-0.18815300	2.12285400	-2.14280200
O	-1.89684200	-1.49923800	-0.00215500
C	-3.32144700	-1.43499700	0.00024800
H	-3.68169900	-2.45988500	-0.00125900
H	-3.68382900	-0.91743100	0.89151400
H	-3.68666700	-0.91381800	-0.88774800
O	3.42154000	-0.97840200	-0.00163900
C	2.69783900	-0.63252900	1.16059000
H	3.30007800	-0.92265700	2.01731800
H	2.50746600	0.44542300	1.19994600
H	1.73771200	-1.15839400	1.19792000
C	2.69774700	-0.62954900	-1.16292000
H	3.29991800	-0.91747800	-2.02043700
H	1.73761700	-1.15531600	-1.20152300
H	2.50737100	0.44850100	-1.19949600

(CH3)2O-C6H5OCH3 LP away eclipsed O-LP away dimer MP2/aug-cc-pVDZ
R=4.9 Angstroms
Interaction Energy=-1.96 kcal/mol

C	0.88554500	-2.31378800	0.00011000
C	1.07746000	-1.64151100	-1.20634300
C	1.45130100	-0.29892800	-1.20916600
C	1.63451900	0.36706300	0.00097000
C	1.44633000	-0.29831500	1.21067900
C	1.07250200	-1.64090000	1.20700000
H	0.59814600	-3.35659600	-0.00021600

```
 H                  0.94152000   -2.16240900   -2.14508800
 H                  1.61698600    0.23771700   -2.13443700
 H                  1.60821100    0.23879900    2.13635200
 H                  0.93270500   -2.16132200    2.14544300
 O                  2.03508400    1.68700600    0.00145800
 C                  0.92162000    2.57797400   -0.00105500
 H                  1.32649000    3.58607100   -0.00047900
 H                  0.30748700    2.42711100   -0.89191400
 H                  0.30383100    2.42756200    0.88735000
 O                 -3.45924900    0.34511300   -0.00103400
 C                 -2.99866800   -0.98980700   -0.00113400
 H                 -3.87263600   -1.63558300   -0.00161200
 H                 -2.39399100   -1.19787700   -0.89042800
 H                 -2.39468800   -1.19825000    0.88854700
 C                 -2.37346800    1.24801200   -0.00041900
 H                 -2.78617400    2.25325800   -0.00037000
 H                 -1.74905700    1.11270000    0.88928500
 H                 -1.74836000    1.11307300   -0.88969000

(CH3)2O-C6H5OCH3 LP away staggered O-LP away dimer MP2/aug-cc-pVDZ
R=4.7 Angstroms
Interaction Energy=-2.39 kcal/mol
 C                 -0.86734800   -2.28181200    0.00013300
 C                 -1.04718800   -1.60601000    1.20647600
 C                 -1.39667800   -0.25688300    1.20908200
 C                 -1.56769700    0.41215000   -0.00116100
 C                 -1.39145700   -0.25668800   -1.21076200
 C                 -1.04198100   -1.60581500   -1.20686600
 H                 -0.59886300   -3.32965000    0.00062800
 H                 -0.92078700   -2.12915500    2.14530500
 H                 -1.55271800    0.28279800    2.13426500
 H                 -1.54350300    0.28314300   -2.13652300
 H                 -0.91153000   -2.12880900   -2.14522500
 O                 -1.94431600    1.73912500   -0.00186600
 C                 -0.81491500    2.60980100    0.00064100
 H                 -1.20148000    3.62505900   -0.00011100
 H                 -0.20369900    2.44797400    0.89158300
 H                 -0.19986000    2.44811700   -0.88768100
 O                  3.33127400    0.24772600    0.00128500
 C                  2.55487700    0.04532900   -1.16077800
 H                  3.20177800    0.21309400   -2.01764500
 H                  2.16114700   -0.97610100   -1.19857500
 H                  1.71354500    0.74564400   -1.19940000
 C                  2.55374600    0.04614800    1.16273400
 H                  3.19981200    0.21451700    2.02011200
 H                  1.71237700    0.74649000    1.20004400
 H                  2.15997900   -0.97525600    1.20086800

(CH3)2O-C6H5N(CH3)2 LP away eclipsed N-LP towards dimer MP2/aug-cc-pVDZ
R=4.5 Angstroms
Interaction Energy=-3.14 kcal/mol
 C                 -0.79438400    2.38895200    0.01442500
 C                 -0.29766600    1.88671000   -1.18489800
 C                 -0.32230000    1.85111100    1.20824900
```

C	0.64692200	0.86537700	-1.19642700
C	0.62216400	0.82959700	1.20883400
C	1.11751200	0.29848000	0.00300800
H	-1.52567900	3.18444100	0.01873100
H	-0.63830800	2.29441800	-2.12736200
H	-0.68239000	2.23071200	2.15521200
H	1.01074800	0.51024600	-2.14783800
H	0.96644200	0.44621700	2.15654800
N	2.02279600	-0.75907500	-0.00340500
C	2.77629200	-0.97506600	-1.22194800
C	2.75112100	-1.01144200	1.22342300
H	3.36660200	-0.09917400	-1.51946100
H	3.45037100	-1.81359600	-1.06920700
H	2.11208000	-1.23501900	-2.04357600
H	3.33491600	-0.14496700	1.55894000
H	2.07022000	-1.29551300	2.02311300
H	3.42845700	-1.84526500	1.05971600
O	-3.13667700	-1.70604700	-0.01775300
C	-3.33599400	-0.30807200	-0.00843300
H	-4.40834400	-0.13225200	-0.00900500
H	-2.89476800	0.14684700	0.88495400
H	-2.89180400	0.15913000	-0.89397700
C	-1.75852200	-2.01400500	-0.01758300
H	-1.66704100	-3.09679100	-0.02490800
H	-1.26278000	-1.60255200	-0.90342700
H	-1.26574400	-1.61483500	0.87550400

(CH3)2O-C6H5N(CH3)2 LP away staggered N-LP towards dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.92 kcal/mol

C	-0.54255200	2.47041700	0.02309700
C	-0.09584400	1.92753700	-1.17818700
C	-0.12310400	1.88632500	1.21484000
C	0.74797700	0.82154000	-1.19368200
C	0.72057900	0.78011900	1.21146000
C	1.16319200	0.20864500	0.00357600
H	-1.19538300	3.33144500	0.03048900
H	-0.39667200	2.36880400	-2.11908500
H	-0.44545400	2.29505400	2.16327700
H	1.07635700	0.43683400	-2.14648700
H	1.02732700	0.36270900	2.15768600
N	1.96446200	-0.92971300	-0.00690100
C	2.69384900	-1.21183000	-1.22659700
C	2.66599400	-1.25394100	1.21865300
H	3.36422800	-0.39465200	-1.52152100
H	3.28569300	-2.11083100	-1.07705400
H	2.00782500	-1.40505600	-2.04870400
H	3.32916200	-0.44766500	1.55672700
H	1.96150200	-1.47508800	2.01778400
H	3.26144300	-2.14749300	1.05176400
O	-3.34093200	-1.44537300	-0.02219400
C	-2.70025700	-0.94679900	-1.17766200
H	-3.22960300	-1.34322200	-2.03992000
H	-2.73230400	0.14774100	-1.20463900

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 H                 -1.65339000   -1.26666800   -1.21671600
 C                 -2.70501800   -0.97026900    1.14572700
 H                 -3.23787700   -1.38400900    1.99762300
 H                 -1.65830700   -1.29090600    1.18260000
 H                 -2.73722000    0.12350400    1.19467800

(CH3)2O-C6H5N(CH3)2 LP away eclipsed N-LP away dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-3.00 kcal/mol
 C                 -0.73553200    2.47798100    0.00981300
 C                 -0.25746300    1.94975300    1.20554600
 C                 -0.22984700    1.98024400   -1.18763900
 C                  0.70896300    0.94900100    1.21000600
 C                  0.73671800    0.97964600   -1.19529300
 C                  1.24371900    0.45113500    0.00682900
 H                 -1.48848600    3.25301200    0.01099900
 H                 -0.64162000    2.30974400    2.15070800
 H                 -0.59220100    2.36430800   -2.13193500
 H                  1.04669200    0.56257300    2.15883800
 H                  1.09636300    0.61741500   -2.14561600
 N                  2.24850700   -0.51240300    0.00614700
 C                  2.42636500   -1.28090800    1.22147400
 C                  2.45458400   -1.24975200   -1.22393500
 H                  1.51971500   -1.82182900    1.52073400
 H                  3.22490900   -2.00072400    1.06324500
 H                  2.72659100   -0.63514200    2.04407800
 H                  1.55523800   -1.78260800   -1.55771500
 H                  2.77351900   -0.58332800   -2.02267600
 H                  3.24947600   -1.97360000   -1.06571200
 O                 -3.06012700   -1.73651100   -0.01667300
 C                 -3.28980200   -0.34318200   -0.01100600
 H                 -4.36571800   -0.19072000   -0.01363700
 H                 -2.85998000    0.12333100    0.88196200
 H                 -2.85447400    0.13147400   -0.89698700
 C                 -1.67560600   -2.01443200   -0.01366000
 H                 -1.56059700   -3.09498700   -0.01825000
 H                 -1.18752700   -1.59439100   -0.89972800
 H                 -1.19303300   -1.60253400    0.87922000

(CH3)2O-C6H5N(CH3)2 LP away staggered N-LP away dimer MP2/aug-cc-pVDZ
R=4.6 Angstroms
Interaction Energy=-2.76 kcal/mol
 C                 -0.51699500    2.53259200    0.01374000
 C                 -0.08710000    1.96281800    1.20868700
 C                 -0.05619700    1.99464900   -1.18444000
 C                  0.78852300    0.88171700    1.21167300
 C                  0.81958200    0.91371000   -1.19356800
 C                  1.27827300    0.34112400    0.00777300
 H                 -1.19961100    3.37023300    0.01606700
 H                 -0.43874700    2.35336400    2.15437200
 H                 -0.38344600    2.41032700   -2.12816800
 H                  1.09103300    0.46582200    2.15992900
 H                  1.14661600    0.52307500   -2.14442200
 N                  2.19535400   -0.70623500    0.00568400
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C	2.30525200	-1.48926600	1.21978400
C	2.33682900	-1.45674100	-1.22556700
H	1.35485700	-1.94967700	1.51800800
H	3.03814100	-2.27561900	1.06051100
H	2.66030900	-0.87342000	2.04349100
H	1.39460800	-1.90873100	-1.56036700
H	2.71282200	-0.81932900	-2.02316500
H	3.06563200	-2.24730200	-1.06839500
O	-3.19969200	-1.46345500	-0.02001900
C	-2.57150300	-0.95129100	-1.17639900
H	-3.08728600	-1.36667700	-2.03795000
H	-2.63545600	0.14172000	-1.20815500
H	-1.51566200	-1.24059700	-1.21207300
C	-2.58030800	-0.96500900	1.14705600
H	-3.10258700	-1.39051500	1.99970900
H	-1.52475400	-1.25476300	1.18731200
H	-2.64454800	0.12755400	1.19123000