(CH3)2O-C6F6 LP towards eclipsed dimer MP2/aug-cc-pVDZ
R=3.0 Angstroms
Interaction Energy=-4.20 kcal/mol

C	0.00000000	1.38980100	-0.80747000
C	-1.20360300	0.69490100	-0.80747000
C	1.20360300	0.69490000	-0.80747000
C	-1.20360300	-0.69490000	-0.80747000
C	1.20360300	-0.69490000	-0.80747000
C	0.00000000	-1.38980100	-0.80747000
F	0.00000000	2.71953700	-0.80747000
F	-2.35518800	1.35976900	-0.80747000
F	2.35518800	1.35976900	-0.80747000
F	-2.35518800	-1.35976800	-0.80747000
F	2.35518800	-1.35976900	-0.80747000
F	0.00000000	-2.71953700	-0.80747000
O	0.00000000	0.00000000	2.19253000
C	0.00000000	1.16175600	2.99531900
H	0.00000000	2.01887900	2.32734600
H	-0.88948800	1.19972200	3.63339600
H	0.88948800	1.19972200	3.63339600
C	0.00000000	-1.16175600	2.99531900
H	0.00000000	-2.01887900	2.32734600
H	0.88948800	-1.19972200	3.63339600
H	-0.88948800	-1.19972200	3.63339600

(CH3)2O-C6F6 LP towards staggered dimer MP2/aug-cc-pVDZ
R=3.0 Angstroms
Interaction Energy=-4.19 kcal/mol

C	0.00000000	1.38980100	-0.80747000
C	-1.20360300	0.69490000	-0.80747000
C	1.20360300	0.69490000	-0.80747000
C	-1.20360300	-0.69490000	-0.80747000
C	1.20360300	-0.69490000	-0.80747000
C	0.00000000	-1.38980100	-0.80747000
F	0.00000000	2.71953700	-0.80747000
F	-2.35518800	1.35976800	-0.80747000
F	2.35518800	1.35976800	-0.80747000
F	-2.35518800	-1.35976800	-0.80747000
F	2.35518800	-1.35976800	-0.80747000
F	0.00000000	-2.71953700	-0.80747000
O	0.00000000	0.00000000	2.19253000
C	-1.16175600	0.00000000	2.99531900
H	-2.01887900	0.00000000	2.32734600
H	-1.19972200	-0.88948800	3.63339600
H	-1.19972200	0.88948800	3.63339600
C	1.16175600	0.00000000	2.99531900
H	2.01887900	0.00000000	2.32734600
H	1.19972200	0.88948800	3.63339600
H	1.19972200	-0.88948800	3.63339600

(CH3)2O-C6H5NO2 LP towards eclipsed dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-2.42 kcal/mol

C	-1.06962900	-2.18413200	0.00000000

```
 C                 -1.06962900   -1.48761400   -1.20800400
 C                 -1.06962900   -1.48761400    1.20800400
 C                 -1.06962900   -0.09543300   -1.21907200
 C                 -1.06962900   -0.09543300    1.21907200
 C                 -1.06962900    0.57008000    0.00000000
 H                 -1.06962900   -3.26576400    0.00000000
 H                 -1.06962900   -2.02763200   -2.14510600
 H                 -1.06962900   -2.02763200    2.14510600
 H                 -1.06962900    0.47098200   -2.13807800
 H                 -1.06962900    0.47098200    2.13807800
 N                 -1.06962900    2.04105400    0.00000000
 O                 -1.06962900    2.60970200   -1.09054600
 O                 -1.06962900    2.60970200    1.09054600
 O                  2.03037100   -0.80702700    0.00000000
 C                  2.83316100   -1.96878300    0.00000000
 H                  2.16518800   -2.82590600    0.00000000
 H                  3.47123700   -2.00674900   -0.88948800
 H                  3.47123700   -2.00674900    0.88948800
 C                  2.83316100    0.35472900    0.00000000
 H                  2.16518800    1.21185200    0.00000000
 H                  3.47123700    0.39269500    0.88948800
 H                  3.47123700    0.39269500   -0.88948800

(CH3)2O-C6H5NO2 LP towards staggered dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-2.38 kcal/mol
 C                  1.06962900   -2.18413200    0.00000000
 C                  1.06962900   -1.48761400    1.20800400
 C                  1.06962900   -1.48761400   -1.20800400
 C                  1.06962900   -0.09543300    1.21907200
 C                  1.06962900   -0.09543300   -1.21907200
 C                  1.06962900    0.57008000    0.00000000
 H                  1.06962900   -3.26576400    0.00000000
 H                  1.06962900   -2.02763200    2.14510600
 H                  1.06962900   -2.02763200   -2.14510600
 H                  1.06962900    0.47098200    2.13807800
 H                  1.06962900    0.47098200   -2.13807800
 N                  1.06962900    2.04105400    0.00000000
 O                  1.06962900    2.60970200    1.09054600
 O                  1.06962900    2.60970200   -1.09054600
 O                 -2.03037100   -0.80702700    0.00000000
 C                 -2.83316100   -0.80702700    1.16175600
 H                 -2.16518800   -0.80702700    2.01887900
 H                 -3.47123700    0.08246100    1.19972200
 H                 -3.47123700   -1.69651400    1.19972200
 C                 -2.83316100   -0.80702700   -1.16175600
 H                 -2.16518800   -0.80702700   -2.01887900
 H                 -3.47123700   -1.69651400   -1.19972200
 H                 -3.47123700    0.08246100   -1.19972200

(CH3)2O-C6H5CN LP towards eclipsed dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-2.41 kcal/mol
 C                 -1.20333200   -1.92216300    0.00000000
```

C	-1.20333200	-1.22556200	-1.20782300
C	-1.20333200	-1.22556200	1.20782300
C	-1.20333200	0.16536700	-1.21508800
C	-1.20333200	0.16536700	1.21508800
C	-1.20333200	0.86006400	0.00000000
H	-1.20333200	-3.00393400	0.00000000
H	-1.20333300	-1.76535500	-2.14516100
H	-1.20333300	-1.76535500	2.14516100
H	-1.20333200	0.71638700	-2.14577500
H	-1.20333200	0.71638700	2.14577500
C	-1.20333200	2.29142600	0.00000000
N	-1.20333200	3.46507700	0.00000000
O	1.89666800	-0.53105000	0.00000000
C	2.69945700	-1.69280600	0.00000000
H	2.03148400	-2.54992800	0.00000000
H	3.33753400	-1.73077200	-0.88948800
H	3.33753400	-1.73077200	0.88948800
C	2.69945700	0.63070600	0.00000000
H	2.03148400	1.48782900	0.00000000
H	3.33753400	0.66867200	0.88948800
H	3.33753400	0.66867200	-0.88948800

(CH3)2O-C6H5CN LP towards staggered dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-2.16 kcal/mol

C	-0.08853300	2.26602700	0.00000000
C	-0.43483600	1.66160400	1.20782300
C	-0.43483500	1.66160400	-1.20782300
C	-1.12631000	0.45473000	1.21508800
C	-1.12631000	0.45473000	-1.21508800
C	-1.47166600	-0.14804100	0.00000000
H	0.44925000	3.20465400	0.00000000
H	-0.16648800	2.12996900	2.14516100
H	-0.16648700	2.12996900	-2.14516100
H	-1.40024000	-0.02337700	2.14577500
H	-1.40024000	-0.02337700	-2.14577500
C	-2.18324200	-1.38999800	0.00000000
N	-2.76670100	-2.40834600	0.00000000
O	1.90969300	-0.48211600	0.00000000
C	2.60625300	-0.88120800	1.16175600
H	2.02666900	-0.54913800	2.01887900
H	2.71770300	-1.97020300	1.19972200
H	3.60208900	-0.42663000	1.19972300
C	2.60625300	-0.88120700	-1.16175600
H	2.02667000	-0.54913700	-2.01887900
H	3.60208900	-0.42662900	-1.19972200
H	2.71770400	-1.97020200	-1.19972200

(CH3)2O-C6H5CF3 LP towards eclipsed F towards dimer MP2/aug-cc-pVDZ
R=3.3 Angstroms
Interaction Energy=-1.98 kcal/mol

C	-1.04516400	2.44955300	0.00115700
C	-0.54376500	1.96590500	-1.20613900
C	-0.54376500	1.96590500	1.20845300

C	0.45821100	0.99930200	-1.21049200
C	0.45821100	0.99930200	1.21280600
C	0.95515900	0.52247000	0.00115700
H	-1.82179800	3.20270400	0.00115700
H	-0.92986600	2.34302300	-2.14363100
H	-0.92986600	2.34302300	2.14594500
H	0.85613200	0.62289000	-2.14273200
H	0.85613200	0.62289000	2.14504600
C	1.99684100	-0.55375300	0.00115700
F	1.43981800	-1.78132900	0.00115700
F	2.79059600	-0.48823700	-1.08109700
F	2.79059600	-0.48823700	1.08341100
O	-2.33681100	-0.88966400	-0.00260600
C	-3.73028900	-0.66083300	-0.00352800
H	-3.88339100	0.41499500	-0.00276800
H	-4.19991500	-1.09296600	-0.89374400
H	-4.20133100	-1.09442300	0.88523100
C	-2.05806700	-2.27402200	-0.00351800
H	-0.97743300	-2.38837600	-0.00275200
H	-2.47446000	-2.76033100	0.88524100
H	-2.47304400	-2.75887400	-0.89373400

(CH3)2O-C6H5CF3 LP towards staggered F towards dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-1.92 kcal/mol

C	1.09650700	2.40523900	-0.00109800
C	0.59205900	1.92477400	1.20619800
C	0.59205900	1.92477400	-1.20839400
C	-0.41601300	0.96452900	1.21055100
C	-0.41601300	0.96452900	-1.21274700
C	-0.91596900	0.49085100	-0.00109800
H	1.87789200	3.15346100	-0.00109800
H	0.98053800	2.29944100	2.14369000
H	0.98053800	2.29944100	-2.14588600
H	-0.81630800	0.59064200	2.14279100
H	-0.81630800	0.59064200	-2.14498700
C	-1.96443900	-0.57875900	-0.00109800
F	-1.41519400	-1.80983500	-0.00109800
F	-2.75776400	-0.50822200	1.08115600
F	-2.75776400	-0.50822200	-1.08335200
O	2.22905600	-0.79726900	0.00243700
C	2.78183800	-1.37759000	1.16510900
H	2.32044500	-0.89322200	2.02146800
H	2.57784700	-2.45307300	1.20380000
H	3.86595900	-1.22607500	1.20380800
C	2.78367500	-1.37950500	-1.15840200
H	2.32363800	-0.89654900	-2.01628700
H	3.86785600	-1.22805200	-1.19563500
H	2.57974500	-2.45505000	-1.19564200

(CH3)2O-C6H5CF3 LP towards eclipsed F away dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-2.08 kcal/mol

C	-1.22246900	2.32507200	0.00110100

C	-0.69910300	1.86528500	1.20839700
C	-0.69910300	1.86528500	-1.20619500
C	0.34687100	0.94647200	1.21275000
C	0.34687100	0.94647200	-1.21054800
C	0.86307700	0.49055800	0.00110100
H	-2.03712600	3.03692200	0.00110100
H	-1.10678900	2.21895600	2.14588900
H	-1.10678900	2.21895600	-2.14368700
H	0.75483000	0.58096300	2.14499000
H	0.75483000	0.58096300	-2.14278800
C	2.02157200	-0.45878100	0.00110100
F	3.19900700	0.19762100	0.00110100
F	2.02176700	-1.25523600	1.08335500
F	2.02176700	-1.25523600	-1.08115300
O	-2.22495300	-0.92050100	-0.00244500
C	-3.62759000	-0.75692100	-0.00335700
H	-3.83070900	0.31059500	-0.00259100
H	-4.07655200	-1.21048500	-0.89357300
H	-4.07788700	-1.21201600	0.88540100
C	-1.88193700	-2.29035000	-0.00336700
H	-0.79714500	-2.35417100	-0.00260800
H	-2.27518700	-2.79555800	0.88539100
H	-2.27385200	-2.79402700	-0.89358300

(CH3)2O-C6H5CF3 LP towards staggered F away dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-1.93 kcal/mol

C	1.07438800	2.39709900	-0.00110100
C	0.58085900	1.90542300	-1.20839700
C	0.58085900	1.90542300	1.20619500
C	-0.40549200	0.92287900	-1.21275000
C	-0.40549200	0.92287900	1.21054800
C	-0.89211700	0.43551800	-0.00110100
H	1.84284300	3.15859300	-0.00110100
H	0.96558500	2.28394300	-2.14588900
H	0.96558500	2.28394300	2.14368700
H	-0.78974700	0.53252700	-2.14499000
H	-0.78974700	0.53252700	2.14278800
C	-1.98885500	-0.58454300	-0.00110100
F	-3.20510400	-0.00320300	-0.00110100
F	-1.93914700	-1.37944500	-1.08335500
F	-1.93914700	-1.37944500	1.08115300
O	2.27825600	-0.77928700	0.00244500
C	2.84388200	-1.34709700	1.16511800
H	2.37178000	-0.87316100	2.02147700
H	2.66398900	-2.42687100	1.20381600
H	3.92434400	-1.17138000	1.20380900
C	2.84574800	-1.34898400	-1.15839300
H	2.37502300	-0.87644000	-2.01627800
H	3.92627100	-1.17332800	-1.19563400
H	2.66591600	-2.42882000	-1.19562700

(CH3)2O-C6H5Br LP towards eclipsed dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms

Interaction Energy=-2.03 kcal/mol

C	-0.94379000	2.48796800	0.00000000
C	-0.94379000	1.78893800	1.20545100
C	-0.94379000	1.78893800	-1.20545100
C	-0.94379000	0.39529300	1.21387200
C	-0.94379000	0.39529300	-1.21387200
C	-0.94379000	-0.28664400	0.00000000
H	-0.94379000	3.56939800	0.00000000
H	-0.94379000	2.32561700	2.14486500
H	-0.94379000	2.32561700	-2.14486500
H	-0.94379000	-0.15521400	2.14419000
H	-0.94379000	-0.15521400	-2.14419000
Br	-0.94379000	-2.16988900	0.00000000
O	2.15621000	1.10066300	0.00000000
C	2.95899900	2.26241900	0.00000000
H	2.29102700	3.11954100	0.00000000
H	3.59707600	2.30038500	0.88948800
H	3.59707600	2.30038500	-0.88948800
C	2.95899900	-0.06109400	0.00000000
H	2.29102600	-0.91821600	0.00000000
H	3.59707600	-0.09906000	-0.88948800
H	3.59707600	-0.09906000	0.88948800

(CH3)2O-C6H5Br LP towards staggered dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-1.70 kcal/mol

C	-0.94379000	-2.48796800	0.00000000
C	-0.94379000	-1.78893800	-1.20545100
C	-0.94379000	-1.78893800	1.20545100
C	-0.94379000	-0.39529300	-1.21387200
C	-0.94379000	-0.39529300	1.21387200
C	-0.94379000	0.28664400	0.00000000
H	-0.94379000	-3.56939800	0.00000000
H	-0.94379000	-2.32561700	-2.14486500
H	-0.94379000	-2.32561700	2.14486500
H	-0.94379000	0.15521400	-2.14419000
H	-0.94379000	0.15521400	2.14419000
Br	-0.94379000	2.16988900	0.00000000
O	2.15621000	-1.10066300	0.00000000
C	2.95899900	-1.10066300	-1.16175600
H	2.29102600	-1.10066300	-2.01887900
H	3.59707600	-0.21117500	-1.19972200
H	3.59707600	-1.99015000	-1.19972200
C	2.95899900	-1.10066300	1.16175600
H	2.29102600	-1.10066300	2.01887900
H	3.59707600	-1.99015000	1.19972200
H	3.59707600	-0.21117500	1.19972200

(CH3)2O-C6H5Cl LP towards eclipsed dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-1.91 kcal/mol

C	1.14603100	-1.99305400	0.00000000
C	1.14602900	-1.29370800	1.20573600
C	1.14602900	-1.29370800	-1.20573600

C	1.14602900	0.09977300	1.21389000
C	1.14602900	0.09977300	-1.21389000
C	1.14603100	0.78056400	0.00000000
H	1.14603100	-3.07449200	0.00000000
H	1.14602800	-1.83014500	2.14538700
H	1.14602800	-1.83014500	-2.14538700
H	1.14602900	0.65454700	2.14171100
H	1.14602900	0.65454700	-2.14171100
Cl	1.14603100	2.51707000	0.00000000
O	-1.95396900	-0.60624400	0.00000000
C	-2.75675900	-1.76800000	0.00000000
H	-2.08878600	-2.62512300	0.00000000
H	-3.39483600	-1.80596700	0.88948500
H	-3.39483600	-1.80596700	-0.88948500
C	-2.75675900	0.55551200	0.00000000
H	-2.08878600	1.41263500	0.00000000
H	-3.39483500	0.59348000	-0.88948700
H	-3.39483500	0.59348000	0.88948700

(CH3)2O-C6H5Cl LP towards staggered dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-1.62 kcal/mol

C	-1.14603100	-1.99305400	0.00000000
C	-1.14603000	-1.29370900	-1.20573500
C	-1.14603000	-1.29370900	1.20573500
C	-1.14603000	0.09977200	-1.21389000
C	-1.14603000	0.09977200	1.21389000
C	-1.14603100	0.78056400	0.00000000
H	-1.14603100	-3.07449200	0.00000000
H	-1.14602900	-1.83014600	-2.14538600
H	-1.14602900	-1.83014600	2.14538600
H	-1.14602900	0.65454600	-2.14171100
H	-1.14602900	0.65454600	2.14171100
Cl	-1.14603100	2.51707000	0.00000000
O	1.95396900	-0.60624400	0.00000000
C	2.75676000	-0.60624600	-1.16175500
H	2.08878700	-0.60624800	-2.01887900
H	3.39483600	0.28324200	-1.19972300
H	3.39483600	-1.49573400	-1.19971900
C	2.75676000	-0.60624600	1.16175500
H	2.08878700	-0.60624800	2.01887900
H	3.39483600	-1.49573400	1.19971900
H	3.39483600	0.28324200	1.19972300

(CH3)2O-C6H5F LP towards eclipsed dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-1.44 kcal/mol

C	0.80914100	-1.93912800	0.00000000
C	0.98303200	-1.26304200	1.20660000
C	0.98303300	-1.26304200	-1.20659900
C	1.33021000	0.08677400	1.21548100
C	1.33021100	0.08677400	-1.21548100
C	1.49617200	0.73202700	0.00000000
H	0.53979800	-2.98632400	0.00000000

```
 H                  0.84909300   -1.78379200    2.14526200
 H                  0.84909400   -1.78379300   -2.14526100
 H                  1.47137200    0.63560700    2.13586400
 H                  1.47137300    0.63560600   -2.13586400
 F                  1.83239300    2.03924200    0.00000000
 O                 -1.84962800    0.16864800    0.00000000
 C                 -2.91650100   -0.75651600    0.00000000
 H                 -2.48309000   -1.75301100    0.00000000
 H                 -3.54392200   -0.63434300    0.88948700
 H                 -3.54392200   -0.63434200   -0.88948800
 C                 -2.33772300    1.49375600    0.00000000
 H                 -1.47729900    2.15747200    0.00000000
 H                 -2.94622900    1.68946800   -0.88948800
 H                 -2.94622900    1.68946800    0.88948800

(CH3)2O-C6H5F LP towards staggered dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-1.35 kcal/mol
 C                  0.89660700    1.90026900    0.00000000
 C                  1.03953000    1.21696600   -1.20659900
 C                  1.03953100    1.21696500    1.20660000
 C                  1.32487900   -0.14726000   -1.21548200
 C                  1.32487900   -0.14726100    1.21548100
 C                  1.46128400   -0.79940200    0.00000000
 H                  0.67523200    2.95864400    0.00000100
 H                  0.92944400    1.74327600   -2.14526100
 H                  0.92944500    1.74327500    2.14526200
 H                  1.44090000   -0.70195100   -2.13586500
 H                  1.44090100   -0.70195200    2.13586400
 F                  1.73762600   -2.12057200   -0.00000100
 O                 -1.85538900   -0.08424300    0.00000000
 C                 -2.64117300   -0.24860100   -1.16175600
 H                 -1.98735000   -0.11184300   -2.01887900
 H                 -3.08362500   -1.24988300   -1.19972300
 H                 -3.44784300    0.49141000   -1.19972100
 C                 -2.64117300   -0.24860200    1.16175600
 H                 -1.98734900   -0.11184600    2.01887900
 H                 -3.44784200    0.49140800    1.19972300
 H                 -3.08362500   -1.24988500    1.19972200

(CH3)2O-C6H6 LP towards eclipsed dimer MP2/aug-cc-pVDZ
R=3.2 Angstroms
Interaction Energy=-0.87 kcal/mol
 C                  0.00000000    1.39150000   -1.45392000
 C                 -1.20507400    0.69575000   -1.45392000
 C                  1.20507400    0.69575000   -1.45392000
 C                 -1.20507400   -0.69575000   -1.45392000
 C                  1.20507400   -0.69575000   -1.45392000
 C                  0.00000000   -1.39150000   -1.45392000
 H                  0.00000000    2.47150000   -1.45392000
 H                 -2.14038200    1.23575000   -1.45392000
 H                  2.14038200    1.23575000   -1.45392000
 H                 -2.14038200   -1.23575000   -1.45392000
 H                  2.14038200   -1.23575000   -1.45392000
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 H                  0.00000000   -2.47150000   -1.45392000
 O                  0.00000000    0.00000000    1.74608000
 C                  0.00000000    1.16175600    2.54886900
 H                  0.00000000    2.01887900    1.88089600
 H                 -0.88948800    1.19972200    3.18694600
 H                  0.88948800    1.19972200    3.18694600
 C                  0.00000000   -1.16175600    2.54886900
 H                  0.00000000   -2.01887900    1.88089600
 H                  0.88948800   -1.19972200    3.18694600
 H                 -0.88948800   -1.19972200    3.18694600

(CH3)2O-C6H6 LP towards staggered dimer MP2/aug-cc-pVDZ
R=3.2 Angstroms
Interaction Energy=-0.88 kcal/mol
 C                  0.00000000    1.39150000   -1.45392000
 C                 -1.20507400    0.69575000   -1.45392000
 C                  1.20507400    0.69575000   -1.45392000
 C                 -1.20507400   -0.69575000   -1.45392000
 C                  1.20507400   -0.69575000   -1.45392000
 C                  0.00000000   -1.39150000   -1.45392000
 H                  0.00000000    2.47150000   -1.45392000
 H                 -2.14038200    1.23575000   -1.45392000
 H                  2.14038200    1.23575000   -1.45392000
 H                 -2.14038200   -1.23575000   -1.45392000
 H                  2.14038200   -1.23575000   -1.45392000
 H                  0.00000000   -2.47150000   -1.45392000
 O                  0.00000000    0.00000000    1.74608000
 C                 -1.16175600    0.00000000    2.54886900
 H                 -2.01887900    0.00000000    1.88089600
 H                 -1.19972200   -0.88948800    3.18694600
 H                 -1.19972200    0.88948800    3.18694600
 C                  1.16175600    0.00000000    2.54886900
 H                  2.01887900    0.00000000    1.88089600
 H                  1.19972200    0.88948800    3.18694600
 H                  1.19972200   -0.88948800    3.18694600

(CH3)2O-C6H5CH3 LP towards eclipsed H towards dimer MP2/aug-cc-pVDZ
R=3.2 Angstroms
Interaction Energy=-0.94 kcal/mol
 C                 -0.78653300   -2.01994100    0.00090200
 C                 -0.98018100   -1.34546900   -1.20328900
 C                 -0.97509100   -1.34367600    1.20489400
 C                 -1.35849400   -0.00406900   -1.19940200
 C                 -1.35342200   -0.00228200    1.20060900
 C                 -1.54795300    0.68714400    0.00049500
 H                 -0.49621300   -3.06226400    0.00106400
 H                 -0.84124200   -1.86333700   -2.14365000
 H                 -0.83217700   -1.86014300    2.14543000
 H                 -1.51196300    0.51318400   -2.13959600
 H                 -1.50291800    0.51637100    2.14067200
 C                 -1.92296300    2.14271800    0.00020400
 H                 -1.03194200    2.77286000   -0.00214900
 H                 -2.51025700    2.39588800   -0.88154300
 H                 -2.50652600    2.39720200    0.88404700
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 O                  1.91164300    0.20196300   -0.00088500
 C                  2.99964600   -0.69825800   -0.00111500
 H                  2.58941800   -1.70451800   -0.00066100
 H                  3.62368200   -0.56183700   -0.89091300
 H                  3.62446000   -0.56135100    0.88806200
 C                  2.36893400    1.53801400   -0.00144900
 H                  1.49337800    2.18163500   -0.00124100
 H                  2.97313700    1.74800100    0.88771700
 H                  2.97235800    1.74751600   -0.89125800

(CH3)2O-C6H5CH3 LP towards staggered H towards dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-1.12 kcal/mol
 C                 -0.82118100   -1.98401500    0.00165600
 C                 -0.99203100   -1.30379500   -1.20275100
 C                 -0.98663200   -1.30134400    1.20543000
 C                 -1.32475900    0.04963400   -1.19929700
 C                 -1.31937800    0.05207700    1.20071200
 C                 -1.49060600    0.74727400    0.00037600
 H                 -0.56628000   -3.03556100    0.00215500
 H                 -0.87078600   -1.82639100   -2.14294500
 H                 -0.86116900   -1.82202500    2.14613200
 H                 -1.46074400    0.57145700   -2.13965800
 H                 -1.45114700    0.57581400    2.14060800
 C                 -1.81617000    2.21469800   -0.00038800
 H                 -0.90434700    2.81434300   -0.00304200
 H                 -2.39465800    2.48728200   -0.88216800
 H                 -2.39069900    2.48907900    0.88342100
 O                  1.85349300    0.12148400   -0.00108800
 C                  2.63242800    0.31244200   -1.16338900
 H                  1.98329800    0.15245300   -2.02005800
 H                  3.03967600    1.32852000   -1.20219200
 H                  3.46438900   -0.39901400   -1.20138500
 C                  2.63370900    0.31384300    1.16012200
 H                  1.98552400    0.15488800    2.01769900
 H                  3.46571200   -0.39756700    1.19805900
 H                  3.04099900    1.32996700    1.19725100

(CH3)2O-C6H5CH3 LP towards eclipsed H away dimer MP2/aug-cc-pVDZ
R=3.2 Angstroms
Interaction Energy=-0.98 kcal/mol
 C                 -0.75754000   -2.02530400    0.00095800
 C                 -0.95179900   -1.35059200    1.20491500
 C                 -0.95683300   -1.35254100   -1.20326700
 C                 -1.34368900   -0.01309700    1.20056600
 C                 -1.34870700   -0.01504000   -1.19944500
 C                 -1.55015800    0.67281100    0.00043100
 H                 -0.44993600   -3.06265800    0.00115500
 H                 -0.79456500   -1.86287500    2.14545400
 H                 -0.80353100   -1.86634800   -2.14362500
 H                 -1.48846500    0.50698100    2.14058100
 H                 -1.49741300    0.50351500   -2.13968700
 C                 -2.00548700    2.10529200    0.00022300
 H                 -3.09512800    2.16598000    0.00245200
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H	-1.64241900	2.63200400	0.88183700
H	-1.64611000	2.63057400	-0.88375300
O	1.91801200	0.22379300	-0.00088400
C	3.01507000	-0.66537100	-0.00106000
H	2.61504700	-1.67573100	-0.00057000
H	3.63770600	-0.52267800	-0.89085500
H	3.63845300	-0.52211000	0.88812000
C	2.36175800	1.56440300	-0.00149800
H	1.47973300	2.19913000	-0.00133100
H	2.96379100	1.78053200	0.88766800
H	2.96304400	1.77996400	-0.89130800

(CH3)2O-C6H5CH3 LP towards staggered H away dimer MP2/aug-cc-pVDZ
R=3.2 Angstroms
Interaction Energy=-0.99 kcal/mol

C	-0.85755800	-1.98502200	0.00177400
C	-1.01787100	-1.30100100	1.20547700
C	-1.02313800	-1.30362600	-1.20270500
C	-1.34260100	0.05436500	1.20062300
C	-1.34785000	0.05174900	-1.19938600
C	-1.51469200	0.74925000	0.00023100
H	-0.60204900	-3.03642100	0.00236100
H	-0.88631500	-1.82012300	2.14620900
H	-0.89569500	-1.82479800	-2.14286900
H	-1.46121600	0.58137500	2.14044300
H	-1.47057600	0.57671000	-2.13982400
C	-1.89804600	2.20264700	-0.00051500
H	-2.98330600	2.31757900	0.00173300
H	-1.50912100	2.71094500	0.88088000
H	-1.51298200	2.70902100	-0.88470900
O	1.92678400	0.12790200	-0.00104600
C	2.70690600	0.31414600	-1.16331500
H	2.05689200	0.15793200	-2.02001100
H	3.12016600	1.32779200	-1.20217900
H	3.53464300	-0.40222600	-1.20120100
C	2.70805400	0.31573500	1.16019600
H	2.05888700	0.16069300	2.01774600
H	3.53582800	-0.40058500	1.19824300
H	3.12135100	1.32943300	1.19726500

(CH3)2O-C6H5OCH3 LP towards eclipsed O-LP towards dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-1.47 kcal/mol

C	0.23143600	2.21555300	0.00141200
C	-0.14261400	1.62444500	1.20764300
C	-0.89568000	0.45176400	1.21002500
C	-1.27061600	-0.12789800	-0.00032800
C	-0.89923400	0.45583900	-1.20981800
C	-0.14615900	1.62850800	-1.20569900
H	0.81833300	3.12417800	0.00208000
H	0.15553900	2.07233000	2.14655700
H	-1.18595000	-0.02939600	2.13511800
H	-1.19222200	-0.02220500	-2.13566900
H	0.14923800	2.07955400	-2.14397200

O	-1.98899800	-1.30545100	-0.00125500
C	-3.39507400	-1.06759500	0.00121000
H	-3.87787200	-2.04077800	0.00028100
H	-3.69137100	-0.50915400	0.89222200
H	-3.69398500	-0.50615800	-0.88704200
O	2.09031400	-0.62901500	-0.00075500
C	3.39309900	-0.08413200	-0.00036700
H	3.29325400	0.99793900	0.00044700
H	3.95080100	-0.39715800	0.88887700
H	3.95077200	-0.39582200	-0.89009800
C	2.13927300	-2.04030800	-0.00181600
H	1.11437800	-2.40147000	-0.00207100
H	2.65597200	-2.41592600	-0.89159500
H	2.65600100	-2.41726300	0.88738000

(CH3)2O-C6H5OCH3 LP towards staggered O-LP towards dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-1.13 kcal/mol

C	0.10407500	2.22517300	0.00298300
C	-0.23551200	1.61274900	1.20877400
C	-0.92013000	0.39883500	1.21028400
C	-1.26119700	-0.20051000	-0.00050100
C	-0.92385100	0.40440400	-1.20955700
C	-0.23922300	1.61830400	-1.20456500
H	0.63793100	3.16594100	0.00432800
H	0.03645800	2.07632400	2.14802300
H	-1.18237000	-0.09882300	2.13501900
H	-1.18893600	-0.08899300	-2.13576300
H	0.02986100	2.08620000	-2.14250100
O	-1.91090900	-1.41729900	-0.00230300
C	-3.32830700	-1.26042200	0.00023800
H	-3.75453500	-2.25967600	-0.00140700
H	-3.65614500	-0.72050900	0.89162200
H	-3.65888100	-0.71641400	-0.88763900
O	2.12292800	-0.50817800	-0.00106000
C	2.82255800	-0.90362400	1.16009900
H	2.24048300	-0.57723900	2.01771700
H	2.94232900	-1.99178900	1.19647800
H	3.81489200	-0.44150400	1.19870300
C	2.82247900	-0.90024600	-1.16341100
H	2.24034500	-0.57136800	-2.02003700
H	3.81481000	-0.43801500	-1.20073900
H	2.94224800	-1.98830000	-1.20296300

(CH3)2O-C6H5OCH3 LP towards eclipsed O-LP away dimer MP2/aug-cc-pVDZ
R=3.8 Angstroms
Interaction Energy=-0.68 kcal/mol

C	0.95988300	-2.30510400	0.00009300
C	1.13925200	-1.62937100	-1.20635900
C	1.48808000	-0.28007400	-1.20918100
C	1.65891100	0.38920100	0.00095400
C	1.48313800	-0.27956500	1.21066400
C	1.13432300	-1.62886400	1.20698400
H	0.69191100	-3.35307300	-0.00023400

H	1.01299900	-2.15270100	-2.14510500
H	1.64374800	0.25956300	-2.13445300
H	1.63502600	0.26046100	2.13633600
H	1.00423700	-2.15179900	2.14542600
O	2.03487900	1.71636000	0.00144300
C	0.90505100	2.58648300	-0.00104700
H	1.29111800	3.60193000	-0.00047200
H	0.29381200	2.42423900	-0.89189700
H	0.29017800	2.42461300	0.88736700
O	-2.36882300	-0.00364400	-0.00063100
C	-3.43763900	-0.92656300	-0.00123300
H	-3.00632300	-1.92396700	-0.00129400
H	-4.06513100	-0.80326800	0.88805000
H	-4.06447100	-0.80287300	-0.89092600
C	-2.85413000	1.32248700	-0.00051700
H	-1.99231300	1.98439200	-0.00005000
H	-3.46189400	1.51967600	-0.89018600
H	-3.46255400	1.51928100	0.88878900

(CH3)2O-C6H5OCH3 LP towards staggered O-LP away dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-1.67 kcal/mol

C	-0.51581600	-2.31566100	-0.00000500
C	-0.76371700	-1.66176200	1.20634300
C	-1.24884100	-0.35526200	1.20896000
C	-1.48698700	0.29293000	-0.00127700
C	-1.24337500	-0.35440800	-1.21088400
C	-0.75826700	-1.66091000	-1.20699900
H	-0.14197200	-3.33069300	0.00048100
H	-0.58478800	-2.16935700	2.14516600
H	-1.45916300	0.16566400	2.13414500
H	-1.44951700	0.16717200	-2.13664200
H	-0.57509800	-2.16784200	-2.14536300
O	-1.99684000	1.57462900	-0.00197600
C	-0.96202200	2.55584100	0.00070700
H	-1.45001200	3.52643100	-0.00005200
H	-0.33760700	2.45707900	0.89171900
H	-0.33358800	2.45770800	-0.88754400
O	1.90379000	0.07023500	0.00095300
C	2.65687600	0.35004100	-1.16039000
H	2.03142800	0.11677200	-2.01785600
H	2.94453600	1.40625000	-1.19843400
H	3.56522300	-0.26093400	-1.19762300
C	2.65538700	0.35061700	1.16312200
H	2.02884100	0.11777300	2.01990100
H	3.56368600	-0.26033900	1.20182100
H	2.94299900	1.40684500	1.20101000

(CH3)2O-C6H5N(CH3)2 LP towards eclipsed N-LP towards dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-1.28 kcal/mol

C	-0.99507800	2.28834800	0.01591100
C	-0.46438900	1.82274200	-1.18364300

C	-0.48751300	1.78319600	1.20945600
C	0.54841800	0.86902200	-1.19567600
C	0.52517700	0.82927700	1.20953800
C	1.05649400	0.33477500	0.00345300
H	-1.77951500	3.03148300	0.02061200
H	-0.83195200	2.20689400	-2.12588800
H	-0.87333300	2.13612600	2.15660200
H	0.93627800	0.54076700	-2.14724400
H	0.89468600	0.46963900	2.15705700
N	2.03258800	-0.65779500	-0.00351800
C	2.79970100	-0.82009900	-1.22189700
C	2.77607300	-0.86050800	1.22342600
H	3.32830000	0.09472200	-1.51829600
H	3.52996200	-1.61027400	-1.06961900
H	2.15535200	-1.12445700	-2.04409300
H	3.29855500	0.04385300	1.56004400
H	2.11605700	-1.19165800	2.02251700
H	3.50939100	-1.64545300	1.05926200
O	-2.08937900	-0.93936600	-0.01159700
C	-3.48549600	-0.72722300	-0.01214600
H	-3.65146700	0.34666300	-0.00384600
H	-3.94918500	-1.15856900	-0.90585000
H	-3.95204200	-1.17276100	0.87306700
C	-1.79408200	-2.32024800	-0.02213900
H	-0.71215800	-2.42166700	-0.02121000
H	-2.20535300	-2.81784600	0.86274800
H	-2.20249600	-2.80365400	-0.91616900

(CH3)2O-C6H5N(CH3)2 LP towards staggered N-LP towards dimer MP2/aug-cc-pVDZ
R=3.1 Angstroms
Interaction Energy=-0.91 kcal/mol

C	-0.83847900	2.35013000	0.02851800
C	-0.34049900	1.85619900	-1.17373000
C	-0.36604000	1.80553700	1.21913600
C	0.60568000	0.83642400	-1.19128100
C	0.58001000	0.78550600	1.21369700
C	1.07666700	0.26273900	0.00476500
H	-1.57101100	3.14444000	0.03751600
H	-0.68139500	2.26928600	-2.11375700
H	-0.72710000	2.17862600	2.16831500
H	0.97043900	0.48783800	-2.14475300
H	0.92450100	0.39671700	2.15912800
N	1.98359600	-0.79335000	-0.00791400
C	2.73791600	-1.00051700	-1.22747800
C	2.71181800	-1.05228400	1.21760600
H	3.32698500	-0.12186000	-1.51924300
H	3.41323600	-1.83894300	-1.07972700
H	2.07444000	-1.25633600	-2.05099600
H	3.29413100	-0.18702800	1.55879600
H	2.03103900	-1.34242600	2.01521700
H	3.39051500	-1.88401100	1.04894700
O	-2.14797600	-0.79624200	-0.01566700
C	-2.73415400	-1.32680500	-1.18572900

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 H                -2.24266300   -0.86129500   -2.03577800
 H                -2.59698100   -2.41227800   -1.23772900
 H                -3.80678900   -1.10809100   -1.22302100
 C                -2.73893500   -1.35744100    1.13757700
 H                -2.25097200   -0.91453400    2.00162000
 H                -3.81172700   -1.13972900    1.17620900
 H                -2.60191900   -2.44391500    1.16150100

(CH3)2O-C6H5N(CH3)2 LP towards eclipsed N-LP away dimer MP2/aug-cc-pVDZ
R=3.2 Angstroms
Interaction Energy=-0.89 kcal/mol
 C                -1.00359800    2.35496300    0.01091800
 C                -0.47797200    1.87365500    1.20649800
 C                -0.45238000    1.90848500   -1.18664900
 C                 0.57922200    0.96931700    1.21070100
 C                 0.60494300    1.00432400   -1.19456100
 C                 1.15939400    0.52548000    0.00742200
 H                -1.82682800    3.05489300    0.01230200
 H                -0.89501000    2.19476000    2.15173500
 H                -0.84921400    2.25708900   -2.13084200
 H                 0.95176500    0.61601600    2.15941600
 H                 0.99779500    0.67866200   -2.14497300
 N                 2.25123900   -0.33816100    0.00652900
 C                 2.50085100   -1.08721500    1.22138100
 C                 2.52700100   -1.05162500   -1.22399100
 H                 1.64961100   -1.71211800    1.51980100
 H                 3.36428100   -1.72772500    1.06301700
 H                 2.73797600   -0.41646700    2.04460300
 H                 1.68253100   -1.66731400   -1.55860100
 H                 2.78146400   -0.35728000   -2.02208900
 H                 3.38704700   -1.69674100   -1.06590800
 O                -2.00700800   -0.99751000   -0.01101200
 C                -3.41168000   -0.85248100   -0.01450000
 H                -3.62890400    0.21224100   -0.00917600
 H                -3.85253200   -1.30770300   -0.90791700
 H                -3.85798200   -1.31770900    0.87102200
 C                -1.64589900   -2.36268600   -0.01758500
 H                -0.56036300   -2.41216600   -0.01453800
 H                -2.03449600   -2.87726700    0.86783600
 H                -2.02904600   -2.86726100   -0.91110300

(CH3)2O-C6H5N(CH3)2 LP towards staggered N-LP away dimer MP2/aug-cc-pVDZ
R=3.2 Angstroms
Interaction Energy=-1.05 kcal/mol
 C                 0.77911800    2.43842100   -0.01589700
 C                 0.30116000    1.90753300   -1.21049500
 C                 0.27165400    1.94495200    1.18256800
 C                -0.66688700    0.90834200   -1.21286700
 C                -0.69654200    0.94595000    1.19231100
 C                -1.20342700    0.41480800   -0.00870000
 H                 1.53333100    3.21222200   -0.01869700
 H                 0.68666800    2.26418100   -2.15637500
 H                 0.63386700    2.33114200    2.12605200
 H                -1.00447500    0.51973600   -2.16085900
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H	-1.05754500	0.58703800	2.14337800
N	-2.20978000	-0.54709200	-0.00606700
C	-2.38790300	-1.31880000	-1.21932500
C	-2.41805200	-1.28056400	1.22596100
H	-1.48189000	-1.86205000	-1.51628900
H	-3.18774400	-2.03686100	-1.05967800
H	-2.68641200	-0.67491600	-2.04402600
H	-1.51984400	-1.81391700	1.56200500
H	-2.73655100	-0.61133000	2.02252300
H	-3.21399200	-2.00357300	1.06917200
O	2.09144600	-0.80554600	0.01341400
C	2.66343000	-1.35550700	1.18154300
H	2.18039300	-0.88430100	2.03329800
H	2.50252100	-2.43801300	1.22695700
H	3.74049500	-1.16045500	1.22225300
C	2.67248600	-1.37283700	-1.14188700
H	2.19613100	-0.91441700	-2.00431700
H	3.74984700	-1.17835100	-1.17710600
H	2.51187400	-2.45590900	-1.17240200