

**Supramolecular assemblies of dimolybdenum transoids built by the
Mo₂-enhanced perfluorophenyl-perfluorophenyl synthons**

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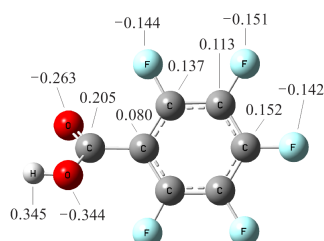
Supporting information

Table S1. Selective bond lengths [Å], angles [°]

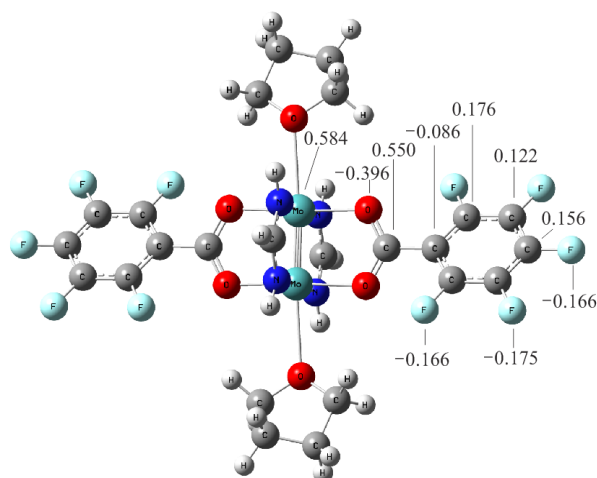
Mo(1)-Mo(1A)	2.0895(4)	2.1176(5)
Mo(1)-O(1)	2.126(2)	2.119(3)
Mo(1)-O(2)		2.117(3)
Mo(1)-O(2A)	2.113 (2)	
Mo(1)-N(1)	2.143(2)	2.143(3)
Mo(1)-N(2)	2.127(2)	2.150(3)
O(1)-Mo(1)-O(2)		176.83(9)
O(1)-Mo(1)-O(2A)	176.03(7)	
O(1)-Mo(1)-N(1)	92.76(7)	90.88(11)
O(1)-Mo(1)-N(2)	88.70(7)	89.14(11)
Mo(1)A-Mo(1)-O(1)	91.34(5)	91.81(7)
Mo(1)A-Mo(1)-O(2)		91.31(7)
Mo(1)A-Mo(1)-O(2A)	92.61(5)	
Mo(1)A-Mo(1)-N(1)	92.79(6)	91.84(7)
Mo(1)A-Mo(1)-N(2)	92.66(6)	93.03(7)
O(1)-C(7)-C(1)-C(6)	43.977(3)	28.093(5)
O(2) -C(7)-C(1)-C(6)	44.300(3)	
O(2)A-C(7)-C(1)-C(6)		26.275(5)

Calculated Mulliken charge distribution over a perfluorophenyl group for:

1. Pentafluorobenzoic acid



2. Model compound, *trans*-Mo₂(NHCHNH)₂(O₂CC₆F₅)₂(THF)_{2ax}



3. Model compound, *trans*-Mo₂(NHCHNH)₂(O₂CC₆F₅)₂

