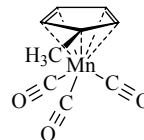
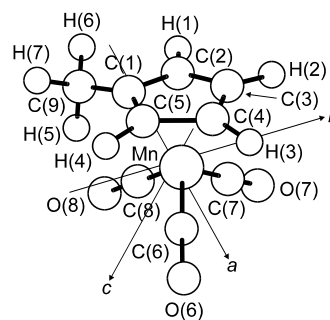


868  
MW $\text{C}_9\text{H}_7\text{MnO}_3$ **Methylcyclopentadienyl(tricarbonyl)manganese** $\text{C}_s$ Tricarbonyl[(1,2,3,4,5- $\eta$ )-1-methyl-2,4-cyclopentadien-1-yl]-manganese

Atom	$a_0$ [Å]	$b_0$ [Å]	$c_0$ [Å]
Mn	0.1790	0.0980	0.0
C(1)	-1.9633	-0.1583	0.0
C(2)	-1.5975	0.5749	-1.1278
C(3)	-1.0056	1.7611	-0.6970
C(4)	-1.0056	1.7611	0.6970
C(5)	-1.5975	0.5749	1.1278
H(1)	-1.7354	0.2984	-2.0788
H(2)	-0.6444	2.4851	-1.2848
H(3)	-0.6444	2.4851	1.2848
H(4)	-1.7354	0.2984	2.0788
C(6)	1.3167	0.0629	1.4663
C(7)	1.5646	0.5596	-1.1458
C(8)	0.4307	-1.7129	-0.3206
O(6)	2.0117	0.0414	2.3621
O(7)	2.4110	0.8417	-1.8457
O(8)	0.5845	-2.8193	-0.5164
C(9)	-2.5523	-1.3388	0.0
H(5)	-1.7870	-2.1299	0.0
H(6)	-3.1800	-1.4354	-0.8982
H(7)	-3.1800	-1.4354	0.8982



The potential barrier to the methyl internal rotation is  $584\text{ cm}^{-1}$ .

Indris, O., Stahl, W.: Mol. Phys. **98** (2000) 1495.