

767 IR	C₆MoO₆Xe	Molybdenumhexacarbonyl – xenon (1/1) (weakly bound complex)	C_{3v} assumed (effective symmetry class) (large-amplitude motion) Mo(CO) ₆ · Xe
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r_0	$\text{\AA}^a)$
Mo...Xe	4.740(15)

The experimental rovibrational spectra could be rationalized by assuming a structure in which the rare gas atom lodges amongst three different carbonyl groups on a C₃ axis of the hexacarbonyl monomer subunit. Its geometry was assumed to be unchanged upon complexation.

^a) Estimated standard error.

Hansford, G.M., Davies, P.B.: J. Chem. Phys. **104** (1996) 8292.

