

<b>765</b> IR	<b>C<sub>6</sub>KrMoO<sub>6</sub></b>	<b>Molybdenumhexacarbonyl – krypton (1/1)</b> (weakly bound complex)	<b>C<sub>3v</sub> assumed</b> (effective symmetry class) (large-amplitude motion) Mo(CO) <sub>6</sub> · Kr
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$r_0$	$\text{\AA}^a)$
Mo...Kr	4.621(4)

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  $C_3$  axis of the hexacarbonyl monomer subunit. Its geometry was assumed to be unchanged upon complexation.

<sup>a</sup>) Estimated standard error.

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

