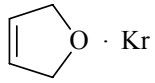
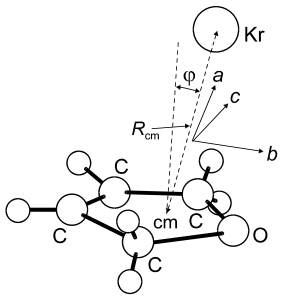
531 **C_4H_6KrO** **2,5-Dihydrofuran – krypton (1/1)** **C_s**
MW (weakly bound complex) (effective symmetry class)
(large-amplitude motion)



r_0	Å	θ_0	deg
R_{cm}	3.635(8)	φ [a])	10.5(4)

r_s	Å [b])	θ_s	deg [b])
R_{cm}	3.635(8)	φ [a])	8.4(4)

r_e [c])	Å [b])	θ_e [c])	deg [b])
R_{cm}	3.606(10)	φ [a])	12.8(5)



The intermolecular stretching force constant is 3.260 N m^{-1} and the dissociation energy is estimated to be *ca.* 3.5 kJ mol^{-1}.

[a]) Angle between the line connecting the Kr atom to cm and the normal to the ring plane, see figure for the definition.
[b]) Uncertainties were not estimated in the original paper.
[c]) Estimated by taking into account contributions of van der Waals modes, but not corrected for those of other vibrational modes.

Velino, B., Melandri, S., Maris, A., Favero, P.G., Caminati, W.: Mol. Phys. **98** (2000) 1919.