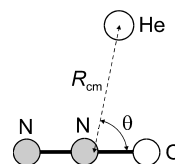


281 IR	HeN₂O	Dinitrogen monoxide – helium (1/1) (weakly bound complex)	C_s (effective symmetry class) (large-amplitude motion) N ₂ O · He
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Isotopic species	$r_0(R_{\text{cm}})$ [Å] ^{a)}	θ_0 [deg] ^{a) b)}
N ₂ O · ³ He	3.523(5)	80.7(5)
N ₂ O · ⁴ He	3.393(5)	84.6(5)

The complex has a T-shaped configuration. The structure was determined from the rotationally resolved IR spectrum in the region of the ν_1 fundamental band of N₂O under the assumption that the bond lengths of the monomers are unchanged upon complexation.



^{a)} Uncertainties were not given in the original paper.

^{b)} Angle between the NNO axis and R_{cm} , see figure for the definition.

Tang, J., McKellar, A.R.W.: J. Chem. Phys. **117** (2002) 2586.