

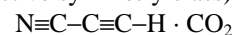
1498
IR

C₄HNO₂

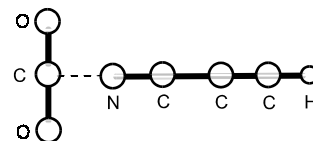
2-Propynenitrile – carbon dioxide (1/1)

C_{2v}

Cyanoacetylene – carbon dioxide (1/1) (effective symmetry class)
(weakly bound complex)



| r_0 | $\text{\AA}^{\text{a})}$ |
|-------|--------------------------|
| N...C | 2.967(2) |



The molecule is T-shaped with the N of HCCCN bound to the C of CO₂. The structures of the two monomers are assumed to be unchanged on complex formation. In the fit, the A_0 constant was fixed to the value of 0.394406 cm^{-1} for the HCN · CO₂ complex.

^{a)} Uncertainty was not given in the original paper.

Yang, X., Pearson, R.Z., Scoles, G.: J. Mol. Spectrosc. **180** (1996) 1.