

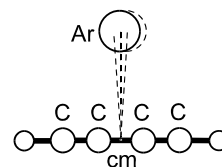
489 MW	C₄H₂Ar	1,3-Butadiyne – argon (1/1) (weakly bound complex)	C_{2v} (effective symmetry class) (large-amplitude motion) Ar · HC≡C–C≡CH
------------------	-------------------------------------	--	---

$$\frac{r_0}{\text{cm} \dots \text{Ar}^{\text{b})}} \quad \frac{\text{\AA}^{\text{a})}}{3.68(1)}$$

The intermolecular stretching and bending force constants are 1.726 N m^{-1} and $1.217 \times 10^{-16} \text{ N m}$, respectively.

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

^{b)} cm denotes the center of the butadiyne molecule.



Matsumura, K., Ohshima, Y., Endo, Y.: J. Mol. Spectrosc. **185** (1997) 178.