

Structure Data of Free Polyatomic Molecules

271	C₂H₄O	Methane – carbon monoxide (1/1)	C_{3v}
MW, IR		(weakly bound complex)	(effective symmetry class) (large-amplitude motion) CH ₄ · CO
	$\frac{r_0}{R_{\text{cm}}} \quad \text{\AA}^{\text{a)}}$		
	3.994(5)		

^{a)} Uncertainty was not estimated in the original paper. The result was obtained on the complex with CH₄ in the lowest $j = 0$ rotational state of A symmetry.

Xia, C., Walker, K.A., McKellar, A.R.W.: J. Chem. Phys. **114** (2001) 4824.