

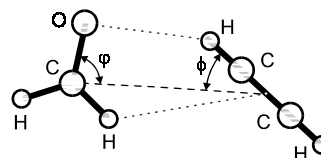
1162
MW

C₃H₄O

Formaldehyde – acetylene (1/1)
(weakly bound complex)

C_s
(effective symmetry class)
H₂C=O · HC≡CH

r_0	Å ^{a)}	θ_0	deg ^{a)}
$r^b)$	3.86(2)	$\varphi^c)$	80.3(16)
O...H	2.39(2)	$\phi^c)$	40.1(17)
H...cm(HC≡CH)	3.12(2)		



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

^{b)} Distance between the C atom of H₂CO and the center of the C≡C bond.

^{c)} Angles made by the C₂ axis of H₂CO and the symmetry axis of HCCH, respectively, with the line from the C atom of H₂CO to the cm of C₂H₂.

Howard, N.W., Legon, A.C.: J. Chem. Phys. **88** (1988) 6793.