

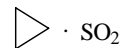
1281
MW



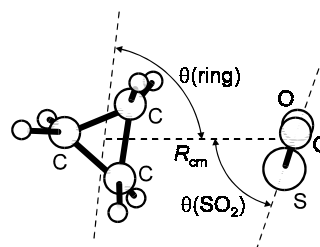
Cyclopropane – sulfur dioxide (1/1)
(weakly bound complex)

C_s
(effective symmetry class)

r_0	Å	θ_0	deg
R_{cm}	3.729(1)	$\theta(\text{SO}_2)$	73.2(17)
		$\theta(\text{ring})$	83.3(24)



Atom	a_0 [Å]	b_0 [Å]	c_0 [Å]
S	1.37	0.0	0.36
O	1.58	1.24	0.38
H (<i>basal</i>) ^{a)}	1.38	0.91	1.17
H (<i>apical</i>) ^{b)}	3.69	0.91	0.19



The sulfur and carbon atoms are all lying in the *ac* plane.
The oxygen and hydrogen atoms straddle the plane. The
sulfur dioxide plane is nearly parallel to a C–C bond edge.

^{a)} H (*basal*) is the hydrogen at the carbon position in the CH₂–CH₂ bond which is closest to the SO₂ group.

^{b)} H (*apical*) is the hydrogen at the carbon most distant from the SO₂ group.

Andrews, A.M., Hillig, K.W., Kuczkowski, R.L.: J. Chem. Phys. **96** (1992) 1784.