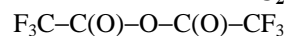


1474
ED

C₄F₆O₃

Hexafluoroacetic anhydride

C₂



r_g	Å ^{a)}	θ ^{b)}	deg ^{a)}
O(1)–C(2)	1.360(19)	C(1)–O(1)–C(2)	118.5(26)
C(2)–C(4)	1.546(10)	O(1)–C(2)=O(3)	120.5(19)
C(1)=O(2)	1.203(10)	O(1)–C(1)–C(3)	122.6(11)
C–F	1.336(5)	C–C–F	110.2(6)
		τ_1 ^{c)}	20.3(36)
		τ_2 ^{d)}	44.4(24)

The model consists of two C₂O₂ planes connected through the central O atom. Local C_{3v} symmetry with no tilt was assumed for the CF₃ groups.

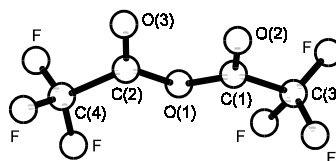
The nozzle temperature was not given, probably room temperature.

^{a)} Estimated limits of error.

^{b)} Unidentified, probably θ_a .

^{c)} Effective dihedral angle between the two C₂O₂ planes.

^{d)} Effective dihedral angle O(1)–C(1)–C(3)–F.



Andreassen, A.L., Zebelman, D., Bauer, S.H.: J. Am. Chem. Soc. **93** (1971) 1148.