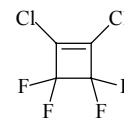


473
MW $C_4Cl_2F_4$

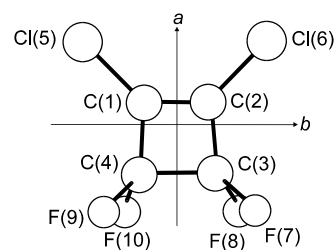
1,2-Dichloro-3,3,4,4-tetrafluorocyclobutene

 C_{2v} 

r_s	Å	θ_s	deg
C(1)=C(2)	1.311(15)	Cl(5)-C(1)=C(2)	134.62(60)
C(2)-C(3)	1.487(15)	C(1)=C(2)-C(3)	94.63(60)
C(3)-C(4)	1.551(15)	C(2)-C(3)-C(4)	85.37(60)
C(1)-Cl(5)	1.705(15)		

r_0	Å	θ_0	deg
C(1)=C(2)	1.313(4)	Cl(5)-C(1)=C(2)	134.60(11)
C(2)-C(3)	1.488(2)	C(1)=C(2)-C(3)	94.38(11)
C(3)-C(4)	1.540(7)	C(2)-C(3)-C(4)	85.62(14)
C(1)-Cl(5)	1.700(2)	F(7)-C(3)-F(8)	106.2 ^a
C(3)-F(7)	1.358 ^a	F(7)-C(3)-C(2)	116.50(12)

Atom	$ a_s $ [Å]	$ b_s $ [Å]	$ c_s $ [Å]
C(1),C(2)	0.54483	0.65554	0.0
C(3),C(4)	0.93695	0.77565	0.0
Cl(5),Cl(6)	1.75834	1.85299	0.0
F(7),F(8)	-1.49731 ^b	1.36062 ^b	± 1.08405 ^b
F(9),F(10)	-1.49731 ^b	-1.36062 ^b	± 1.08405 ^b

^a) Assumed.^b) r_0 value.

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[II/25C \(3, 1462\)](#)