

1101
MW

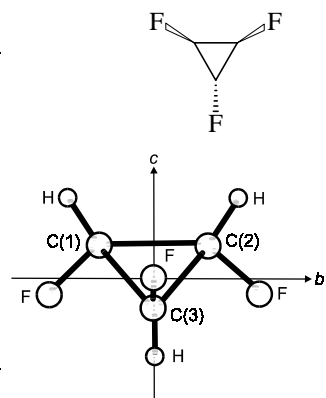
$\text{C}_3\text{H}_3\text{F}_3$

r-1,*c*-2,*t*-3-1,2,3-Trifluorocyclopropane
cis,trans-1,2,3-Trifluorocyclopropane

C_s

r_0	Å	θ_0	deg
C(1,2)–C(3)	1.473(12)	H–C(1,2)–F	109.2(10)
C(1)–C(2)	1.496(6)	H–C(3)–F	114.6(6)
C(1,2)–H	1.080(7)	H–C(1)–C(2)	120.0(5)
C(1,2)–F	1.368(14)	H–C(1,2)–C(3)	124.8(17)
C(3)–H	1.089(8)	F–C(1)–C(2)	118.9(10)
C(3)–F	1.385(8)	F–C(1,2)–C(3)	117.0(3)
		H–C(3)–C(1,2)	116.8(5)
		F–C(3)–C(1,2)	118.7(7)

r_s	Å	θ_s	deg
C(1,2)–C(3)	1.478(10)	H–C(1,2)–F	109.4(8)
C(1)–C(2)	1.500(3)	H–C(3)–F	114.7(15)
C(1,2)–H	1.076(6)	H–C(1)–C(2)	119.9(3)
C(1,2)–F	1.367(8)	H–C(1,2)–C(3)	124.8(12)
C(3)–H	1.085(16)	F–C(1)–C(2)	118.9(5)
C(3)–F	1.387(8)	F–C(1,2)–C(3)	116.7(6)
		H–C(3)–C(1,2)	117.0(11)
		F–C(3)–C(1,2)	118.5(9)



Beauchamp, R.N., Agopovich, J.W., Gillies, C.W.: J. Am. Chem. Soc. **108** (1986) 2552.