

1208
MW

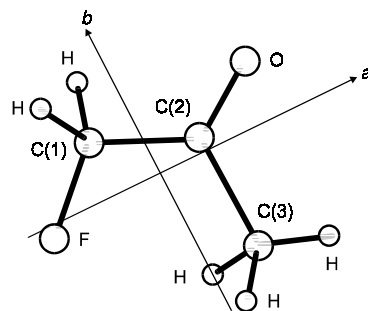
C₃H₅FO

Fluoroacetone
1-Fluoro-2-propanone

C_s
H3C-C(O)-CH2F

r_0	Å
C(1)–C(2)	1.507 ^{a)}
C(2)–C(3)	1.507 ^{a)}
C(3)–H	1.085 ^{a)}
C(1)–F	1.398 ^{a)}
C(1)–H	1.095 ^{a)}
C(2)=O	1.222 ^{a)}

θ_0	deg
C(2)–C(3)–H	110.2 ^{a)}
H–C(3)–H	108.8 ^{a)}
C(2)–C(1)–H	112.9 ^{a)}
H–C(1)–H	108.8 ^{a)}
C(1)–C(2)–C(3)	120.2(20)
C(1)–C(2)=O	118.2(20)
C(3)–C(2)=O	121.4(20)
C(2)–C(1)–F	110.7(20)



C–F is in an *anti* position to C=O.

^{a)} Assumed.

Saegebarth, E., Krisher, L.C.: J. Chem. Phys. **52** (1970) 3555.