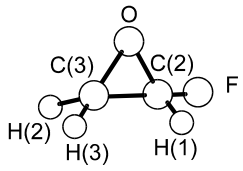
241 **C_2H_3FO** **Fluorooxirane** **C_1**

IR, *ab initio* calculations
(MP2/TZ2P)

r_0	Å [a])	θ_0	deg [a])
C(2)–C(3)	1.436(13)	O–C(3)–C(2)	56.6(2)
C(2)–O	1.377(1)	F–C(2)–H	110.8(3)
C(3)–O	1.463(2)	H–C(3)–H	117.6(1)
C(2)–F	1.378(17)	F–C(2)–C(3)	118.7(2)
C(2)–H	1.086(7)	H–C(2)–C(3)	117.7(1)
C(3)–H	1.085(7)	H(2)–C(3)–C(2)	120.8(1)
		H(3)–C(3)–C(2)	124.5(1)
		H(2)–C(3)–O	114.9(1)
		F–C(2)–O	114.6(9)



[a]) Uncertainties were estimated by a sensitivity analysis of the fitted coordinates.

Hollenstein, H., Luckhaus, D., Pochert, J., Quack, M., Seyfang, J.: Angew. Chem. **109** (1997) 136; Angew. Chem., Int. Ed. Engl. **36** (1997) 140.