37 **CF_2Se** **Selenocarbonyl fluoride** **C_{2v}**
MW, IR Carbonoselenoic difluoride

r_0	Å	θ_0	deg
C–F	1.3117(1)	F–C–F	107.64(1)
C=Se	1.7400(2)		

r_z	Å	θ_z	deg
C–F	1.3123(4)	F–C–F	107.74(4)
C=Se	1.7420(5)		

r_e [a])	Å	θ_e [a])	deg
C–F	1.309(2)	F–C–F	107.74(4)
C=Se	1.739(2)		

[a]) Derived from the r_z structure. r_z was extrapolated to r_e using the relation $r_z = r_e + (3/2)au^2 + K$, where u^2 and K denote the contributions of the mean amplitude and perpendicular amplitude of vibrations, respectively, and a is an anharmonicity parameter that may be estimated by a diatomic model.

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