

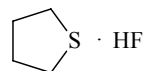
582
MW $\text{C}_4\text{H}_5\text{FS}$ **Tetrahydrothiophene – hydrogen fluoride (1/1)**

(weakly bound complex)

 C_s (effective symmetry class)
(large-amplitude motion)

r_0	Å
S...F	3.067(22)

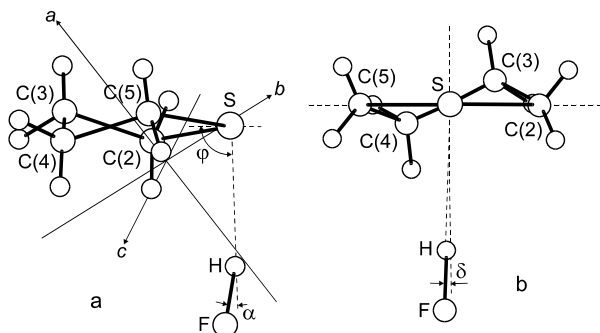
θ_0	deg
φ^a	88.28(29)
α^b	10.5(45)
δ^c	1.64(75)



^a) Angle between the S...F internuclear line and the line bisecting the CSC angle; see figure (a) for the definition.

^b) Deviation from collinearity of the atoms S...H–F; see figure (a) for the definition.

^c) Angle of deviation of the S...F line from the CSC bisector plane; see figure (b) for the definition.



Sanz, M.E., López, J.C., Alonso, J.L.: Chem. Phys. Lett. **288** (1998) 760.