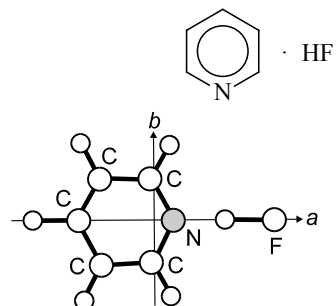


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MW $\text{C}_5\text{H}_6\text{FN}$ **Pyridine – hydrogen fluoride (1/1)**
(weakly bound complex) C_{2v}
(effective symmetry class)
(large-amplitude motion)

r_0	\AA	
	$\text{C}_5\text{H}_5^{14}\text{N} \cdot \text{HF}$	$\text{C}_5\text{H}_5^{14}\text{N} \cdot \text{DF}$
N...F	2.6089(49)	2.6098(47)
R_{cm}	3.9455(50) ^{a)}	3.9102(50) ^{a)}

The complex is assigned C_{2v} symmetry, with the HF molecule lying along the C_2 axis of the $\text{C}_5\text{H}_5\text{N}$ subunit. The intermolecular stretching force constant is 27.0 N m^{-1} .



^{a)} Uncertainties were not estimated in the original paper.

Cooke, S.A., Corlett, G.K., Legon, A.C.: J. Mol. Struct. **448** (1998) 107.