



>>Entry Name: 3-Fluorobenzenethiol, 9CI

Synonym(s): 1-Fluoro-3-mercaptobenzene. 3-Fluorothiophenol

CAS Registry Number: 2557-77-9

Structure by analogy with 2-Fluorobenzenethiol, [GZK35-Q](#)

Molecular Formula: C₆H₅FS

Molecular Weight: 128.17

Accurate Mass: 128.009598

Percentage Composition: C 56.23%; H 3.93%; F 14.82%; S 25.02%

Boiling Point: Bp 156°. Bp₁₁ 53°

Refractive Index: n_D²⁷ 1.5481

>>Derivative: Disulfide

see Bis(3-fluorophenyl) disulfide, [MGP18-X](#)

References:

Sharghi, N. *et al.*, *J. Chem. Eng. Data*, 1963, **8**, 276, (*synth*)

Taft, R.W., *J.A.C.S.*, 1963, **85**, 709, (*pmr*)

Rajšner, M. *et al.*, *Coll. Czech. Chem. Comm.*, 1967, **32**, 2021, (*synth*)

Cutress, N.C. *et al.*, *J.C.S. Perkin 2*, 1974, 263, (*ir*)

Protiva, M. *et al.*, *Coll. Czech. Chem. Comm.*, 1986, **51**, 2598, (*synth*)