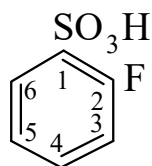




>>Entry Name: 2-Fluorobenzenesulfonic acid



CAS Registry Number: 35300-35-7

Molecular Formula: C₆H₅FO₃S

Molecular Weight: 176.168

Accurate Mass: 175.994343

Percentage Composition: C 40.91%; H 2.86%; F 10.78%; O 27.25%; S 18.20%

>>Derivative: Chloride

CAS Registry Number: 2905-21-7

Molecular Formula: C₆H₄ClFO₂S

Molecular Weight: 194.614

Accurate Mass: 193.960455

Percentage Composition: C 37.03%; H 2.07%; Cl 18.22%; F 9.76%; O 16.44%; S 16.48%

Melting Point: Mp 26°

Boiling Point: Bp₁₃ 126°

Refractive Index: n_D²⁰ 1.5372

Other: Oakwood 3574

>>Derivative: Amide

CAS Registry Number: 30058-40-3

Molecular Formula: C₆H₆FNO₂S

Molecular Weight: 175.183

Accurate Mass: 175.010327

Percentage Composition: C 41.14%; H 3.45%; F 10.84%; N 8.00%; O 18.27%; S 18.30%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 164-165°

References:

Prinsen, A.J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1965, **84**, 24, (*chloride*)

El Homsy, A. *et al.*, *J. Chromatogr.*, 1978, **151**, 413, (*glc*)

Dugad, L.B. *et al.*, *Biochemistry*, 1989, **28**, 3955, (*amide, synth, ir*)