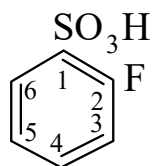




>>Entry Name: 2-Fluorobenzenesulfonic acid



**CAS Registry Number:** 35300-35-7

**Molecular Formula:** C<sub>6</sub>H<sub>5</sub>FO<sub>3</sub>S

**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:** C<sub>6</sub>H<sub>4</sub>ClFO<sub>2</sub>S

**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:** Bp<sub>13</sub> 126°

**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.5372

**Other:** Oakwood 3574

>>Derivative: Amide

**CAS Registry Number:** 30058-40-3

**Molecular Formula:** C<sub>6</sub>H<sub>6</sub>FNO<sub>2</sub>S

**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. (H<sub>2</sub>O)

**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*)