



>>Entry Name: 8-Quinolinesulfonic acid

CAS Registry Number: 85-48-3

Molecular Formula: C₉H₇NO₃S

Molecular Weight: 209.225

Accurate Mass: 209.014664

Percentage Composition: C 51.67%; H 3.37%; N 6.69%; O 22.94%; S 15.33%

Physical Description: Prisms

Melting Point: Mp 312°

Solubility: Spar. sol. H₂O

Other Data: H₂SO₄ at 300° → 6-Quinolinesulfonic acid [FVC28-P](#)

Rare Chemicals Library: S45377-3

>>Derivative: Picrate

Physical Description: Golden leaflets (H₂O)

Melting Point: Mp 226-227 dec.°

>>Derivative: Me ester

Molecular Formula: C₁₀H₉NO₃S

Molecular Weight: 223.252

Accurate Mass: 223.030314

Percentage Composition: C 53.80%; H 4.06%; N 6.27%; O 21.50%; S 14.36%

Physical Description: Prisms

Melting Point: Mp 96°

Solubility: Spar. sol. Et₂O

>>Derivative: Chloride

CAS Registry Number: 18704-37-5

Molecular Formula: C₉H₆ClNO₂S

Molecular Weight: 227.671

Accurate Mass: 226.980776

Percentage Composition: C 47.48%; H 2.66%; Cl 15.57%; N 6.15%; O 14.05%; S 14.08%

Physical Description: Needles

Melting Point: Mp 124°

Fluka: 22695

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 872C, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 748C, (*nmr*)

McCasland, G.E., *J.O.C.*, 1946, **11**, 277

Sidorov, O.F. *et al.*, *CA*, 1972, **77**, 75107p