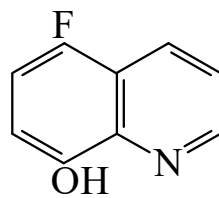




>>Entry Name: 5-Fluoro-8-hydroxyquinoline

Synonym(s): 5-Fluoro-8-quinolinol, 9Cl. 5-Fluorooxine



CAS Registry Number: 387-97-3

Related CAS Registry Numbers(s): 57434-95-4

Molecular Formula: C₉H₆FNO

Molecular Weight: 163.151

Accurate Mass: 163.043342

Percentage Composition: C 66.26%; H 3.71%; F 11.64%; N 8.59%; O 9.81%

Physical Description: Cryst. (EtOH) or by subl.

Melting Point: Mp 110°

Boiling Point: Subl.₅ 105°

Solubility: Sol. EtOH, Et₂O, Me₂CO

Other Data: Fe(III) complex used as redox indicator

>>Derivative: Me ether

Synonym(s): 5-Fluoro-8-methoxyquinoline

CAS Registry Number: 439-88-3

Molecular Formula: C₁₀H₈FNO

Molecular Weight: 177.178

Accurate Mass: 177.058992

Percentage Composition: C 67.79%; H 4.55%; F 10.72%; N 7.91%; O 9.03%

Melting Point: Mp 34-36.5°

Boiling Point: Bp₉ 145-147°

References:

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Hollingshead, R.G.W., *Chem. Ind. (London)*, 1954, 344, (*synth*)

Tomkinson, J.C. *et al.*, *J.C.S.*, 1958, 2010, (*use, indicator*)

Anand, S.P. *et al.*, *J. Fluorine Chem.*, 1976, **7**, 179, (*synth*)

Kidric, J. *et al.*, *Org. Magn. Reson.*, 1981, **15**, 280, (*pmr, cmr*)