



>>Entry Name: 7-Fluoro-1*H*-indole-2,3-dione, 9Cl

Synonym(s): 7-Fluoroisatin

CAS Registry Number: 317-20-4

Structure by analogy with 5-Fluoro-1*H*-indole-2,3-dione, [NCP04-Z](#)

Molecular Formula: C₈H₄FNO₂

Molecular Weight: 165.124

Accurate Mass: 165.022607

Percentage Composition: C 58.19%; H 2.44%; F 11.51%; N 8.48%; O 19.38%

Physical Description: Orange needles (EtOH)

Melting Point: Mp 194°

>>Derivative: 3-Oxime

CAS Registry Number: 143884-84-8

Molecular Formula: C₈H₅FN₂O₂

Molecular Weight: 180.138

Accurate Mass: 180.033506

Percentage Composition: C 53.34%; H 2.80%; F 10.55%; N 15.55%; O 17.76%

Melting Point: Mp 206-207°

References:

O'Sullivan, D.G. *et al.*, *J.C.S.*, 1956, 2202-2208, (*synth, ir*)

McKittrick, B. *et al.*, *J. Het. Chem.*, 1990, **27**, 2151-2163, (*synth, pmr*)

Kearney, T. *et al.*, *Synthesis*, 1992, 769-772, (*oxime, synth, ir, uv, pmr*)

Hewawasam, P. *et al.*, *Tet. Lett.*, 1994, **35**, 7303-7306, (*synth*)