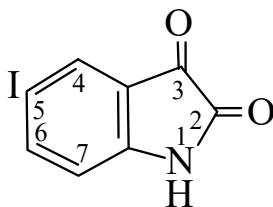




>>Entry Name: 5-Iodo-1*H*-indole-2,3-dione, 9CI

Synonym(s): 5-Iodoisatin



CAS Registry Number: 20780-76-1

Molecular Formula: C₈H₄INO₂

Molecular Weight: 273.03

Accurate Mass: 272.928677

Percentage Composition: C 35.19%; H 1.48%; I 46.48%; N 5.13%; O 11.72%

Physical Description: Red cryst. (EtOH)

Melting Point: Mp 264-265°. Mp 281-282 dec.° (subl.)

>>Derivative: Hydrazone

Molecular Formula: C₈H₆IN₃O

Molecular Weight: 287.059

Accurate Mass: 286.95556

Percentage Composition: C 33.47%; H 2.11%; I 44.21%; N 14.64%; O 5.57%

Melting Point: Mp 170°

>>Derivative: 2-Anilide

Molecular Formula: C₁₄H₉IN₂O

Molecular Weight: 348.142

Accurate Mass: 347.975961

Percentage Composition: C 48.30%; H 2.61%; I 36.45%; N 8.05%; O 4.60%

Melting Point: Mp 223-224°

References:

Hicks, C.S., *J.C.S.*, 1925, 773

Musajo, L., *Gazz. Chim. Ital.*, 1932, **62**, 566

Buu-Hoi, Ng.Ph. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1957, **244**, 786, (*synth*)