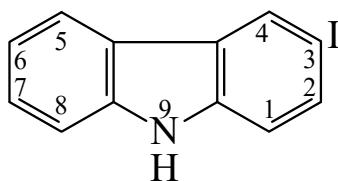




>>Entry Name: 3-Iodo-9*H*-carbazole



CAS Registry Number: 16807-13-9

Molecular Formula: C₁₂H₈IN

Molecular Weight: 293.106

Accurate Mass: 292.970147

Percentage Composition: C 49.17%; H 2.75%; I 43.30%; N 4.78%

Physical Description: Plates (CCl₄)

Melting Point: Mp 192-194°

>>Derivative: *N*-Ac

Molecular Formula: C₁₄H₁₀INO

Molecular Weight: 335.144

Accurate Mass: 334.980712

Percentage Composition: C 50.17%; H 3.01%; I 37.87%; N 4.18%; O 4.77%

Physical Description: Cryst. (EtOH or AcOH)

Melting Point: Mp 145-147°

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₉H₁₂INO

Molecular Weight: 397.214

Accurate Mass: 396.996362

Percentage Composition: C 57.45%; H 3.04%; I 31.95%; N 3.53%; O 4.03%

Physical Description: Cryst. (Py aq.)

Melting Point: Mp 204-205°

References:

Tucker, S.H. *et al.*, *J.C.S.*, 1924, 1144-1148; 1926, 546-553, (*synth, Ac, benzoyl*)

Suzuki, H. *et al.*, *CA*, 1972, **76**, 126650z, (*synth*)

Bonesi, S.M. *et al.*, *J. Het. Chem.*, 2001, **38**, 77-87, (*synth, ir, pmr, cmr, ms*)