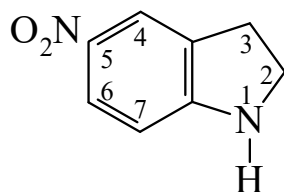




>>Entry Name: 2,3-Dihydro-5-nitro-1*H*-indole, 9CI

Synonym(s): 5-Nitroindoline



CAS Registry Number: 32692-19-6

Molecular Formula: C₈H₈N₂O₂

Molecular Weight: 164.163

Accurate Mass: 164.058578

Percentage Composition: C 58.53%; H 4.91%; N 17.06%; O 19.49%

Physical Description: Yellow-orange cryst. (MeOH)

Melting Point: Mp 92-94°

Aldrich: 13021-4

>>Derivative: *N*-Ac

CAS Registry Number: 33632-27-8

Molecular Formula: C₁₀H₁₀N₂O₃

Molecular Weight: 206.201

Accurate Mass: 206.069143

Percentage Composition: C 58.25%; H 4.89%; N 13.59%; O 23.28%

Physical Description: Yellow needles (EtOH or Me₂CO/EtOH)

Melting Point: Mp 180-181° (173.5-175.5)

>>Derivative: 1-Me

CAS Registry Number: 18711-25-6

Molecular Formula: C₉H₁₀N₂O₂

Molecular Weight: 178.19

Accurate Mass: 178.074228

Percentage Composition: C 60.66%; H 5.66%; N 15.72%; O 17.96%

Physical Description: Orange solid

Melting Point: Mp 126° (113-114°)

References:

Gall, W.G. *et al.*, *J.O.C.*, 1955, **20**, 1538, (*synth*)

Kinoshita, T. *et al.*, *Nippon Kagaku Kaishi*, 1957, **78**, 1372; *CA*, **54**, 492a, (*synth*)

Terent'ev, A.P. *et al.*, *Zh. Obshch. Khim.*, 1959, **29**, 2541; *J. Gen. Chem. USSR (Engl. Transl.)*, 1959, **29**, 2504, (*synth*)