



>>Entry Name: **2,3-Dihydro-6-nitro-1*H*-indole**, 9CI

Synonym(s): 6-Nitroindoline

CAS Registry Number: 19727-83-4

Structure by analogy with 2,3-Dihydro-5-nitro-1*H*-indole, [NZC29-C](#)

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: Cryst. (petrol)

Melting Point: Mp 67-69°

Aldrich: N1773-4

>>Derivative: *N*-Ac

CAS Registry Number: 22949-08-2

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: Cryst. (EtOH)

Melting Point: Mp 153-154°

>>Derivative: *N*-Benzoyl

CAS Registry Number: 19232-51-0

Molecular Formula: C₁₅H₁₂N₂O₃

Molecular Weight: 268.271

Accurate Mass: 268.084793

Percentage Composition: C 67.16%; H 4.51%; N 10.44%; O 17.89%

Melting Point: Mp 166-167°

References:

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*)

Terent'ev, A.P. *et al.*, *Khim. Geterotsikl. Soedin.*, 1969, 258; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1969, 196, (*synth*)