



>>Entry Name: 6-Nitroindole

CAS Registry Number: 4769-96-4

Molecular Formula: $C_8H_6N_2O_2$

Molecular Weight: 162.148

Accurate Mass: 162.042928

Percentage Composition: C 59.26%; H 3.73%; N 17.28%; O 19.73%

Physical Description: Yellow prisms (EtOH aq.)

Melting Point: Mp 139-140.5°

pKa Value: pK_a -6.9 (25°, H₂SO₄ aq.)

>>Derivative: 1-Me

CAS Registry Number: 99459-48-0

Molecular Formula: $C_9H_8N_2O_2$

Molecular Weight: 176.174

Accurate Mass: 176.058578

Percentage Composition: C 61.36%; H 4.58%; N 15.90%; O 18.16%

Physical Description: Solid (petrol)

Melting Point: Mp 76.5-78.5°

References:

Terent'ev, A.P. *et al.*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1958, **118**, 302, (*deriv*)

Noland, W.E. *et al.*, *J.O.C.*, 1966, **31**, 70-77, (*synth, ir*)

Coulet, F. *et al.*, *Synth. Commun.*, 1998, **28**, 145-157, (*1-Me*)