



>>Entry Name: 7-Nitroindole

CAS Registry Number: 6960-42-5

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: Orange plates (petrol)

Melting Point: Mp 113° (96-97°)

Boiling Point: Bp₃₂ 170-175°

>>Derivative: 1-Me

CAS Registry Number: 101489-23-0

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: Yellow solid

Melting Point: Mp 47-48°

References:

Thesing, J. *et al.*, *Chem. Ber.*, 1962, **95**, 2205-2211, (*synth*)

Casini, G. *et al.*, *Can. J. Chem.*, 1964, **42**, 1235-1237, (*synth*)

Kaiya, T. *et al.*, *Tetrahedron*, 1985, **41**, 511-518, (*pmr*)

Vance, W.A. *et al.*, *Mutat. Res.*, 1986, **173**, 169, (*deriv*)