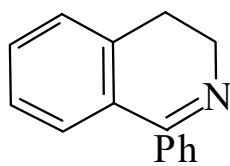




>>Entry Name: 3,4-Dihydro-1-phenylisoquinoline



CAS Registry Number: 52250-50-7

Molecular Formula: $C_{15}H_{13}N$

Molecular Weight: 207.274

Accurate Mass: 207.104799

Percentage Composition: C 86.92%; H 6.32%; N 6.76%

Physical Description: Oil

Boiling Point: $Bp_{0.7}$ 139-140°

Other Data: Disproportionates on heating; early reports of Mp ca. 73° are incorrect

>>Derivative: Hydrochloride

Physical Description: Needles

Melting Point: Mp 225°

>>Derivative: Picrate

Physical Description: Yellow plates (EtOH or $CHCl_3/Et_2O$)

Melting Point: Mp 173-175°

References:

Brodrick, C.I. *et al.*, *J.C.S.*, 1949, 2587, (*bibl*)

Lora-Tamayo, M. *et al.*, *Chem. Ber.*, 1960, **93**, 289, (*synth*)

Kanaoka, Y. *et al.*, *Tet. Lett.*, 1964, 2419, (*synth*)

Doyle, M.P. *et al.*, *J. Het. Chem.*, 1975, **12**, 263, (*synth, nmr*)

Hergueter, C.A. *et al.*, *Tet. Lett.*, 1977, 4145, (*synth*)