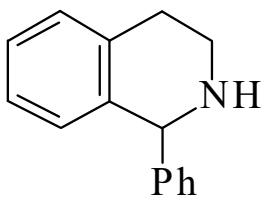
>>**Entry Name: 1,2,3,4-Tetrahydro-1-phenylisoquinoline**



CAS Registry Number: 22990-19-8

Molecular Formula: $C_{15}H_{15}N$
Molecular Weight: 209.29
Accurate Mass: 209.120449
Percentage Composition: C 86.08%; H 7.22%; N 6.69%

>>**Variant:** (*R*)-form

CAS Registry Number: 180272-45-1
Molecular Formula: $C_{15}H_{15}N$
Molecular Weight: 209.29
Accurate Mass: 209.120449
Percentage Composition: C 86.08%; H 7.22%; N 6.69%
Physical Description: Cryst.
Melting Point: Mp 84°
Optical Rotation: $[\alpha]_D^{24}$–10.2 (c, 0.17 in $CHCl_3$). $[\alpha]_D$ –12.3 (c, 1.55 in CH_2Cl_2)

>>**Variant:** (*S*)-form

CAS Registry Number: 118864-75-8
Molecular Formula: $C_{15}H_{15}N$
Molecular Weight: 209.29
Accurate Mass: 209.120449
Percentage Composition: C 86.08%; H 7.22%; N 6.69%
Optical Rotation: $[\alpha]_D^{20}$+12.2 (c, 0.85 in CH_2Cl_2)

>>**Variant:** (±)-form

Molecular Formula: $C_{15}H_{15}N$
Molecular Weight: 209.29
Accurate Mass: 209.120449
Percentage Composition: C 86.08%; H 7.22%; N 6.69%
Physical Description: Prisms (Et_2O)
Melting Point: Mp 97°
Solubility: Spar. sol. EtOH, Et_2O

>>**Derivative:** *N*-Me

Molecular Formula: $C_{16}H_{17}N$
Molecular Weight: 223.317
Accurate Mass: 223.136099
Percentage Composition: C 86.06%; H 7.67%; N 6.27%
Physical Description: Needles (EtOH aq.)
Melting Point: Mp 120-130°

>>**Derivative:** Methiodide

Physical Description: Prisms (EtOH aq.)
Melting Point: Mp 240-243°

References:

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v. Binst, G. *et al.*, *J. Het. Chem.*, 1975, **12**, 1165, *(use)*
Wünsch, B. *et al.*, *Eur. J. Org. Chem.*, 1998, 711-718; 1999, 503-517, *(R·form, S·form, synth)*
Wanner, K.Th. *et al.*, *Eur. J. Org. Chem.*, 1998, 2019-2029, *(R·form)*
Pedrosa, R. *et al.*, *J.O.C.*, 2001, **66**, 243-250, *(R·form, ir, pmr, cmr)*