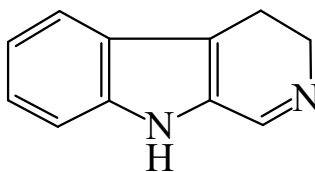




>>Entry Name: 3,4-Dihydro-β-carboline

Synonym(s): 4,9-Dihydro-3H-pyrido[3,4-b]indole, 9Cl. Norharmalan



CAS Registry Number: 4894-26-2

Molecular Formula: C₁₁H₁₀N₂

Molecular Weight: 170.213

Accurate Mass: 170.084398

Percentage Composition: C 77.62%; H 5.92%; N 16.46%

Physical Description: Needles (Et₂O)

Melting Point: Mp 175-176°

Other Data: Forms Et₂O and C₆H₆ solvates with lower Mps than the pure cpd. Also reported to have a second Mp 92-93.5°. Difficult to handle in cryst. state because of its electrostatic props.

>>Derivative: Perchlorate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 216-217°

>>Derivative: Picrate

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 232-233°

>>Derivative: 2-Oxide

CAS Registry Number: 112863-43-1

Molecular Formula: C₁₁H₁₀N₂O

Molecular Weight: 186.213

Accurate Mass: 186.079313

Percentage Composition: C 70.95%; H 5.41%; N 15.04%; O 8.59%

Physical Description: Yellow cryst. (petrol)

Melting Point: Mp 195-196°

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Brandi, A. *et al.*, *J.O.C.*, 1988, **53**, 2430, (*oxide, synth, ms, pmr, cmr*)
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