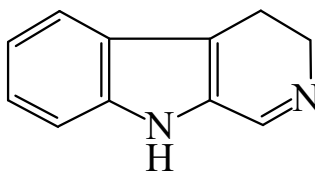




>>Entry Name: 3,4-Dihydro- $\beta$ -carboline

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



CAS Registry Number: 4894-26-2

Molecular Formula: C<sub>11</sub>H<sub>10</sub>N<sub>2</sub>

Molecular Weight: 170.213

Accurate Mass: 170.084398

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

Physical Description: Needles (Et<sub>2</sub>O)

Melting Point: Mp 175-176°

Other Data: Forms Et<sub>2</sub>O and C<sub>6</sub>H<sub>6</sub> 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. (Et<sub>2</sub>O)

Melting Point: Mp 232-233°

>>Derivative: 2-Oxide

CAS Registry Number: 112863-43-1

Molecular Formula: C<sub>11</sub>H<sub>10</sub>N<sub>2</sub>O

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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