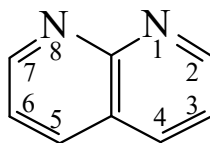




>>Entry Name: **1,8-Naphthyridine**, 9CI, 8CI

Synonym(s): 1,8-Diazanaphthalene. Pyrido[2,3-*b*]pyridine



CAS Registry Number: 254-60-4

Molecular Formula: C₈H₆N₂

Molecular Weight: 130.149

Accurate Mass: 130.053098

Percentage Composition: C 73.83%; H 4.65%; N 21.52%

Physical Description: Needles

Melting Point: Mp 98-99°

Boiling Point: Subl.₁₃ 80°

pK_a Value: pK_a 3.36 (20°)

Other Data: V. hygroscopic

>>Derivative: Picrate

CAS Registry Number: 15936-16-0

Physical Description: Yellowish needles (EtOH)

Melting Point: Mp 207-208°

>>Derivative: Methiodide

Physical Description: Orange-yellow needles (EtOH)

Melting Point: Mp 180-181°

Solubility: Sol. H₂O, spar. sol. EtOH

>>Derivative: 1-Oxide

CAS Registry Number: 27284-59-9

Molecular Formula: C₈H₆N₂O

Molecular Weight: 146.148

Accurate Mass: 146.048013

Percentage Composition: C 65.75%; H 4.14%; N 19.17%; O 10.95%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 98°. Mp 132-133°

References:

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Carrano, J.T. *et al.*, *J. Mol. Spectrosc.*, 1973, **46**, 401, (*ir, Raman*)
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