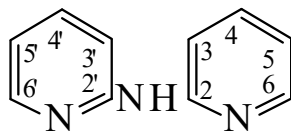




>>Entry Name: **2,2'-Dipyridylamine**

Synonym(s): *N*-2-Pyridinyl-2-pyridinamine, 9Cl. 2,2'-Iminodipyridine, 8Cl



CAS Registry Number: 1202-34-2

Molecular Formula: C₁₀H₉N₃

Molecular Weight: 171.201

Accurate Mass: 171.079647

Percentage Composition: C 70.16%; H 5.30%; N 24.54%

General Statement: Dimorphous

Use/Importance: Dye intermediate

Physical Description: Refractive needles (H₂O or EtOH)

Melting Point: Mp 84° (EtOH). Mp 95° (H₂O)

Boiling Point: Bp₁₃ 176-178°

pKa Value: p*K*_a 6.99

Other Data: Forms many metal complexes

Aldrich: D21640-2

Fluka: 43650

>>**Derivative:** Hydrochloride

Physical Description: Needles + 3H₂O

Melting Point: Mp 114-115° (trihydrate). Mp 182° (dihydrate)

>>**Derivative:** Sulfate

Physical Description: Needles

Melting Point: Mp 248°

>>**Derivative:** Tetraphenylborate

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 185°

>>**Derivative:** *N*-Nitroso

CAS Registry Number: 155671-07-1

Molecular Formula: C₁₀H₈N₄O

Molecular Weight: 200.199

Accurate Mass: 200.069811

Percentage Composition: C 60.00%; H 4.03%; N 27.99%; O 7.99%

Physical Description: Pale yellow fine needles (cyclohexane)

Melting Point: Mp 80.3°

Other Data: Dec. in contact with alumina

References:

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