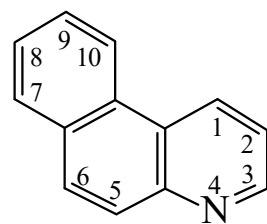




>>Entry Name: Benzo[f]quinoline, 9Cl

Synonym(s): 1-Azaphenanthrene. 5,6-Benzoquinoline. Naphtho[2',1':2,3]pyridine (obsol.). β -Naphthoquinoline (obsol.)



CAS Registry Number: 85-02-9

Extra CAS Registry Numbers(s): 39327-16-7

Molecular Formula: C₁₃H₉N

Molecular Weight: 179.221

Accurate Mass: 179.073499

Percentage Composition: C 87.12%; H 5.06%; N 7.82%

Use/Importance: Used in iodometric detn. of Cd

Physical Description: Leaflets (H₂O or petrol)

Melting Point: Mp 94°

Boiling Point: Bp₇₂₁ 350°. Bp₂₂ 210-215°

Hazard & Toxicity: Mutagen

Aldrich: B1018-8

Rare Chemicals Library: S30925-7

>>Derivative: Sulfate

Physical Description: Yellow needles

Melting Point: Mp 90°

>>Derivative: Methochloride

Physical Description: Needles (EtOH/Et₂O)

Melting Point: Mp 236° (anhyd.)

>>Derivative: Methiodide

Physical Description: Yellow needles (H₂O or EtOH)

Melting Point: Mp 200-205 dec.°

References:

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Jutz, C. *et al.*, *Angew. Chem., Int. Ed.*, 1972, **11**, 315

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