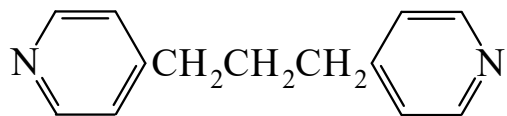




>>Entry Name: 4,4'-(1,3-Propanediyl)bipyridine, 9Cl

Synonym(s): 1,3-Di-4-pyridylpropane. 4,4'-Trimethylenedipyridine, 8Cl



CAS Registry Number: 17252-51-6

Related CAS Registry Numbers(s): 24831-32-1 24831-33-2 34049-15-5 57911-51-0 86098-80-8

Molecular Formula: C₁₃H₁₄N₂

Molecular Weight: 198.267

Accurate Mass: 198.115698

Percentage Composition: C 78.75%; H 7.12%; N 14.13%

Use/Importance: Catalyst for cross-linking polymers

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 62-65° (57-60°)

Boiling Point: Bp₂ 158-160°

Density: d₄²⁵ 1.06

Refractive Index: n_D²⁵ 1.5578

Aldrich: 12119-3

Other: PB D53490

>>Derivative: Perchlorate (1:2)

Physical Description: Cryst. (MeOH/EtOH)

Melting Point: Mp 205-207°

>>Derivative: Methobromide (1:2)

Physical Description: Cryst. (MeOH/Me₂CO)

Melting Point: Mp 212°

>>Derivative: Methiodide (1:2)

Physical Description: Pale yellow cryst. (EtOH)

Melting Point: Mp 141-144°

>>Derivative: Picrate (1:2)

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 185-186°

References:

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Sartorius, N.E. *et al.*, *J.O.C.*, 1969, **34**, 2119, (*synth*, *pmr*)
Gibson, H.W. *et al.*, *J.C.S. Perkin 2*, 1976, 1575, (*synth*)
Osborne, A.G., *Spectrosc. Lett.*, 1985, **18**, 15, (*ms*)