



>>Entry Name: 5-Phenylpyrimidine, 9CI

CAS Registry Number: 34771-45-4

Molecular Formula: C₁₀H₈N₂

Molecular Weight: 156.187

Accurate Mass: 156.068748

Percentage Composition: C 76.90%; H 5.16%; N 17.94%

Physical Description: Needles (hexane)

Melting Point: Mp 40-41°

>>Derivative: Picrate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 120°

>>Derivative: N-Oxide

Molecular Formula: C₁₀H₈N₂O

Molecular Weight: 172.186

Accurate Mass: 172.063663

Percentage Composition: C 69.76%; H 4.68%; N 16.27%; O 9.29%

Melting Point: Mp 105-107°

References:

Russel, P.B. *et al.*, *J.C.S.*, 1954, 2951, (*uv*)

Wagner, R.M. *et al.*, *Chem. Ber.*, 1971, **104**, 2975, (*synth*)

Oostveen, E.A. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1974, **93**, 233, (*synth*)

Allen, D.W. *et al.*, *J.C.S. Perkin 1*, 1977, 621, (*synth, pmr*)

Yamanaka, H. *et al.*, *Chem. Pharm. Bull.*, 1987, **35**, 3119, (*synth, pmr, oxide*)