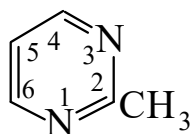




>>Entry Name: 2-Methylpyrimidine, 9CI



CAS Registry Number: 5053-43-0

Molecular Formula: C₅H₆N₂

Molecular Weight: 94.116

Accurate Mass: 94.053098

Percentage Composition: C 63.81%; H 6.43%; N 29.76%

Physical Description: Liq.

Melting Point: Mp -5°

Boiling Point: Bp 130-135°

Solubility: Misc. H₂O

>>Derivative: Picrate

Physical Description: Yellow needles

Melting Point: Mp 114.5-116.5°

>>Derivative: 1-Oxide

CAS Registry Number: 17759-05-6

Molecular Formula: C₅H₆N₂O

Molecular Weight: 110.115

Accurate Mass: 110.048013

Percentage Composition: C 54.54%; H 5.49%; N 25.44%; O 14.53%

Melting Point: Mp 50°

References:

Gabriel, S., *Ber.*, 1904, **37**, 3638, (*synth*)

U.S. Pat., 1962, 3 050 523; *CA*, **57**, 15128, (*synth*)

Tetsuzo, K. *et al.*, *Yakugaku Zasshi*, 1967, **89**, 1096; *CA*, **68**, 87268, (*oxide*)

Paudler, W.W. *et al.*, *Org. Magn. Reson.*, 1971, **3**, 217, (*nmr*)

Riand, J. *et al.*, *Tet. Lett.*, 1974, 3123, (*cmr*)

Allenstein, E. *et al.*, *Spectrochim. Acta A*, 1976, **32**, 777, (*ir*)

Riand, J. *et al.*, *Org. Magn. Reson.*, 1977, **9**, 572, (*pmr*)

Ikari, Y. *et al.*, *Bull. Chem. Soc. Jpn.*, 1990, **63**, 2891, (*ir, Raman*)