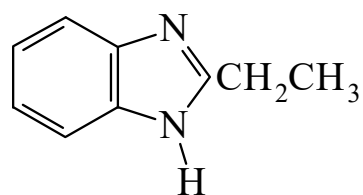




>>Entry Name: 2-Ethyl-1*H*-benzimidazole, 9Cl



CAS Registry Number: 1848-84-6

Molecular Formula: C₉H₁₀N₂

Molecular Weight: 146.191

Accurate Mass: 146.084398

Percentage Composition: C 73.94%; H 6.89%; N 19.16%

Physical Description: Leaflets (H₂O) or needles (EtOH aq.)

Melting Point: Mp 172-173° (166-168°)

Rare Chemicals Library: S42721-7

Other: PB E05280

>>Derivative: Picrate

CAS Registry Number: 24103-05-7

Melting Point: Mp 136-137°

>>Derivative: 1-Me

CAS Registry Number: 14754-42-8

Molecular Formula: C₁₀H₁₂N₂

Molecular Weight: 160.218

Accurate Mass: 160.100048

Percentage Composition: C 74.97%; H 7.55%; N 17.48%

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 55°

>>Derivative: 3-Oxide

CAS Registry Number: 16007-53-7

Molecular Formula: C₉H₁₀N₂O

Molecular Weight: 162.191

Accurate Mass: 162.079313

Percentage Composition: C 66.65%; H 6.21%; N 17.27%; O 9.86%

Melting Point: Mp 133°

References:

Hölljes, E.L. *et al.*, *J.O.C.*, 1944, **9**, 31, (*synth*)

Ried, W. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1962, **295**, 143, (*synth*)

Kanaoka, Y. *et al.*, *Chem. Pharm. Bull.*, 1964, **12**, 773, (*synth*)

Grenda, V.J. *et al.*, *J.O.C.*, 1965, **30**, 259, (*synth*)

Hayashi, E. *et al.*, *Yakugaku Zasshi*, 1967, **87**, 648; *CA*, **67**, 90775s, (*oxide*)

Watanabe, Y. *et al.*, *Bull. Chem. Soc. Jpn.*, 1982, **55**, 2445, (*synth*, *pmr*, *cmr*)

Quast, H. *et al.*, *Annalen*, 1996, 1551, (*synth*)