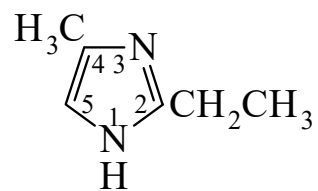




>>Entry Name: 2-Ethyl-4(5)-methylimidazole



CAS Registry Number: 931-36-2

Molecular Formula: C₆H₁₀N₂

Molecular Weight: 110.158

Accurate Mass: 110.084398

Percentage Composition: C 65.42%; H 9.15%; N 25.43%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 45°

Aldrich: E3665-2

Fluka: 4360

Sigma: E7754

>>Derivative: Hydrochloride

Physical Description: Hygroscopic plates

Melting Point: Mp 132°

>>Derivative: Picrate

CAS Registry Number: 1689-37-8

Physical Description: Yellow prisms (H₂O)

>>Derivative: Tetraphenylborate

CAS Registry Number: 53831-70-2

Molecular Formula: C₃₀H₃₁BN₂

Molecular Weight: 430.399

Accurate Mass: 430.258028

Percentage Composition: C 83.72%; H 7.26%; B 2.51%; N 6.51%

Use/Importance: Crosslinking agent for epoxy resins

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 78C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 613C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1485A, (*ir*)

Windaus, A. *et al.*, *Ber.*, 1922, **55**, 3707, (*synth*)

Ger. Pat., 1973, 2 422 372; *CA*, **84**, 46315u, (*use, tetraphenylborate*)