



>>Entry Name: 3-Ethylpyridine

ENTRY UNDER REVIEW

Synonym(s): FEMA 3394

CAS Registry Number: 536-78-7

Structure by analogy with 2-Ethylpyridine, [KCT87-N](#)

Molecular Formula: C₇H₉N

Molecular Weight: 107.155

Accurate Mass: 107.073499

Percentage Composition: C 78.46%; H 8.47%; N 13.07%

Physical Description: Liq. with a tobacco flavour

Boiling Point: Bp 162-165°

Solubility: Sl. sol. H₂O, sol. EtOH, Et₂O

Density: d⁰ 0.954

pKa Value: pK_a 5.56 (25°)

Refractive Index: n_D²⁰ 1.5020

Aldrich: 37800-3

Sigma: E2890

>>Derivative: Picrate

Melting Point: Mp 128-130°

>>Derivative: N-Oxide

CAS Registry Number: 14906-62-8

Molecular Formula: C₇H₉NO

Molecular Weight: 123.154

Accurate Mass: 123.068414

Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%

Boiling Point: Bp₄ 100°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 735C, (ir)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 244C, (nmr)

Mijajima, G. *et al.*, *Chem. Pharm. Bull.*, 1972, **20**, 429, (cmr)

Ferles, M. *et al.*, *Coll. Czech. Chem. Comm.*, 1973, **38**, 611, (synth)

Fenaroli's Handbook of Flavor Ingredients, 3rd edn., (ed. Burdock, G.A.), CRC Press, 1995, **2**, 266

Encyclopedia of Food and Color Additives, (ed. Burdock, G.A.), CRC Press, 1997, 1038

Bremner, D.H. *et al.*, *Synth. Commun.*, 1997, **27**, 1535-1542, (N-oxide)