



>>Entry Name: 3-Ethyl-2,4-dimethylpyrrole

Synonym(s): Cryptopyrrole. Haemopyrrole C. Kryptopyrrole. Hematopyrrole C

CAS Registry Number: 517-22-6

Structure by analogy with 2-Ethyl-3,4-dimethylpyrrole, [BMW05-Z](#)

Molecular Formula: C₈H₁₃N

Molecular Weight: 123.197

Accurate Mass: 123.104799

Percentage Composition: C 78.00%; H 10.64%; N 11.37%

Source/Synthesis: Degradn. prod. of natural polypyrroles

Physical Description: Liq.

Boiling Point: Bp₃₇ 118°. Bp₁₆ 96°

Hazard & Toxicity: LD₅₀ (mus, ipr) 77 mg/kg

Aldrich: D15840-2

>>Derivative: Picrate

Physical Description: Cryst.

Melting Point: Mp 135°

>>Derivative: 1-Benzoyl

Molecular Formula: C₁₅H₁₇NO

Molecular Weight: 227.305

Accurate Mass: 227.131014

Percentage Composition: C 79.26%; H 7.54%; N 6.16%; O 7.04%

Physical Description: Leaflets

Melting Point: Mp 136°

References:

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

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 566C, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1446B, (ir)

Org. Synth., Coll. Vol., **3**, 1955, 513, (synth)

Cushley, R.J. *et al.*, *Can. J. Chem.*, 1975, **53**, 148, (cmr)

Lightner, D.A. *et al.*, *J. Het. Chem.*, 1984, **21**, 139, (synth, pmr)

Shrout, D.P. *et al.*, *Synthesis*, 1990, 1062, (synth, ir, pmr, cmr, ms)