



>>Entry Name: 2,4-Dimethyl-1*H*-pyrrole, 9Cl

CAS Registry Number: 625-82-1

Structure by analogy with 2,3-Dimethyl-1*H*-pyrrole, [FWW15-M](#)

Molecular Formula: C₆H₉N

Molecular Weight: 95.144

Accurate Mass: 95.073499

Percentage Composition: C 75.74%; H 9.53%; N 14.72%

Boiling Point: Bp 165° (171°)

Solubility: Prac. insol. H₂O

pKa Value: pK_a 2.55 pK_a 2.12 (HCl aq.)

Other Data: Liq. shows pale blue fluor. Steam-volatile

Aldrich: 39083-6

>>Derivative: Picrate

Melting Point: Mp 92-93°

>>Derivative: *N*-Ac

Synonym(s): 1-Acetyl-2,4-dimethyl-1*H*-pyrrole

CAS Registry Number: 6982-79-2

Molecular Formula: C₈H₁₁NO

Molecular Weight: 137.181

Accurate Mass: 137.084064

Percentage Composition: C 70.04%; H 8.08%; N 10.21%; O 11.66%

Boiling Point: Bp₃ 105-108°

>>Derivative: *N*-Benzoyl

CAS Registry Number: 92028-47-2

Molecular Formula: C₁₃H₁₃NO

Molecular Weight: 199.252

Accurate Mass: 199.099714

Percentage Composition: C 78.36%; H 6.58%; N 7.03%; O 8.03%

Melting Point: Mp 119°

>>Derivative: *N*-Et

Synonym(s): 1-Ethyl-2,4-dimethylpyrrole

CAS Registry Number: 53871-28-6

Molecular Formula: C₈H₁₃N

Molecular Weight: 123.197

Accurate Mass: 123.104799

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

Physical Description: Liq.

Boiling Point: Bp₃₀ 142°

References:

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Eisner, U. *et al.*, *J.C.S.*, 1958, 922, (*uv*)

Abraham, R.J. *et al.*, *Can. J. Chem.*, 1959, **37**, 1056, (*pmr*)

Budzikiewicz, H. *et al.*, *J.C.S.*, 1964, 1949, (*ms*)

Guy, R.W. *et al.*, *Aust. J. Chem.*, 1966, **19**, 107, (*deriv*)

Chakrabarti, J.K. *et al.*, *J. Het. Chem.*, 1974, **11**, 417, (*N-Et*)

Miocque, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1975, 1777, (*N-Et*)

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

Trofimov, B.A. *et al.*, *Synthesis*, 2000, 1585-1590, (*synth*, *ir*, *pmr*)