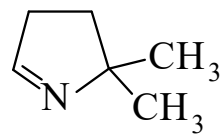




>>Entry Name: 3,4-Dihydro-2,2-dimethyl-2H-pyrrole, 9Cl

Synonym(s): 5,5-Dimethyl-1-pyrroline, 8Cl



CAS Registry Number: 2045-76-3

Molecular Formula: C₆H₁₁N

Molecular Weight: 97.16

Accurate Mass: 97.089149

Percentage Composition: C 74.17%; H 11.41%; N 14.42%

Physical Description: Liq.

Boiling Point: Bp 104-108°

>>Derivative: Hydrochloride

CAS Registry Number: 68373-50-2

Physical Description: Hygroscopic solid

>>Derivative: Picrate

Physical Description: Yellow prisms (EtOH/Et₂O)

Melting Point: Mp 120-124°

>>Derivative: N-Oxide

CAS Registry Number: 3317-61-1

Molecular Formula: C₆H₁₁NO

Molecular Weight: 113.159

Accurate Mass: 113.084064

Percentage Composition: C 63.69%; H 9.80%; N 12.38%; O 14.14%

Use/Importance: Spintrap, scavenger of alkyl, hydroxyalkyl and alkoxy radicals

Physical Description: Hygroscopic solid

Boiling Point: Bp_{0.6} 66°. Bp_{0.1} 53°

Aldrich: 19458-1

Fluka: 41568

Sigma: D5766

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 901A, (*ir*)

Bonnett, R. *et al.*, *J.C.S.*, 1959, 2087, (*synth, ir*)

Janzen, E.G. *et al.*, *J. Magn. Reson.*, 1973, **9**, 510, (*deriv, use*)

Haire, D.L. *et al.*, *J.O.C.*, 1986, **51**, 4298, (*deriv, synth, pmr, bibl*)