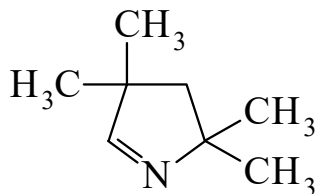




>>Entry Name: 3,4-Dihydro-2,2,4,4-tetramethyl-2*H*-pyrrole, 9CI

Synonym(s): 3,3,5,5-Tetramethyl-1-pyrroline, 8CI



Molecular Formula: C₈H₁₅N

Molecular Weight: 125.213

Accurate Mass: 125.120449

Percentage Composition: C 76.74%; H 12.07%; N 11.19%

>>Derivative: *N*-Oxide

CAS Registry Number: 10135-38-3

Molecular Formula: C₈H₁₅NO

Molecular Weight: 141.213

Accurate Mass: 141.115364

Percentage Composition: C 68.04%; H 10.71%; N 9.92%; O 11.33%

Use/Importance: Spin trap for detn. and identification of radicals

Physical Description: Needles (petrol)

Melting Point: Mp 32-34°

Boiling Point: Bp₁ 73°

Aldrich: 24400-7

Sigma: T9891

>>Derivative: *N*-Oxide; picrate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 137-138°

References:

Bonnett, R. *et al.*, *J.C.S.*, 1959, 2094, (*N*-oxide)