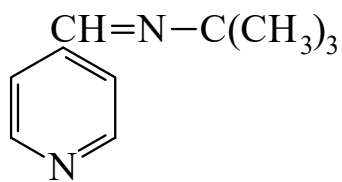




>>Entry Name: 2-Methyl-*N*-(4-pyridinylmethylene)-2-propanamine, 9CI



CAS Registry Number: 80863-24-7

Related CAS Registry Numbers(s): 116451-25-3

Molecular Formula: C₁₀H₁₄N₂

Molecular Weight: 162.234

Accurate Mass: 162.115698

Percentage Composition: C 74.04%; H 8.70%; N 17.27%

Physical Description: Oil

Other Data: Presumably a mixt. of stereoisomers. No phys. props. reported

>>Derivative: *N,N'*-Dioxide

Synonym(s): α -(4-Pyridyl 1-oxide)-*N*-*tert*-butylnitrone. 4-POBN

CAS Registry Number: 66893-81-0

Molecular Formula: C₁₀H₁₄N₂O₂

Molecular Weight: 194.233

Accurate Mass: 194.105528

Percentage Composition: C 61.84%; H 7.26%; N 14.42%; O 16.47%

Use/Importance: Spin trap for detn. of hydroxyl radicals in the atmosphere and in aq. soln.

Physical Description: Cryst.

Melting Point: Mp 181.5-183°

Aldrich: 21543-0

Fluka: 20583

Sigma: P9271

References:

Mlochowski, J. *et al.*, *Annalen*, 1977, 455, (*synth*)

Watanabe, T. *et al.*, *Anal. Chem.*, 1982, **54**, 2470, (*dioxide*)