



>>Entry Name: *N*-Methylbenzamide

Synonym(s): *N*-Benzoylmethylamine

CAS Registry Number: 613-93-4

PhCONHMe

Molecular Formula: C₈H₉NO

Molecular Weight: 135.165

Accurate Mass: 135.068414

Percentage Composition: C 71.09%; H 6.71%; N 10.36%; O 11.84%

Physical Description: Plates (EtOH)

Melting Point: Mp 82°

Boiling Point: Bp 291°. Bp₁₁ 167°

pKa Value: pK_a -2.13 (25°, H₂SO₄ aq.)

Hazard & Toxicity: LD₅₀ (mus, orl) 840 mg/kg

Aldrich: 22279-8

Rare Chemicals Library: S50972-8

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 1384A, (*nmr*)

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Brady, O.L. *et al.*, *J.C.S.*, 1926, 2414

Thorstad, O. *et al.*, *Org. Mass Spectrom.*, 1975, **10**, 1155, (*ms*)

Auerbach, J. *et al.*, *J.O.C.*, 1976, **41**, 725

Tuval, M. *et al.*, *Acta Cryst. B*, 1978, **34**, 120, (*cryst struct*)

Calvert, D.J. *et al.*, *Aust. J. Chem.*, 1979, **32**, 337, (*pmr*)

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