



Optical Rotation: $[\alpha]_D^{20} -37.8$ (c, 1.13 in CHCl_3)

>>**Variant:** ($\pm$)-form

CAS Registry Number: 16369-05-4

Molecular Formula: $\text{C}_5\text{H}_{13}\text{NO}$

Molecular Weight: 103.164

Accurate Mass: 103.099714

Percentage Composition: C 58.21%; H 12.70%; N 13.58%; O 15.51%

Physical Description: Oil

Boiling Point: Bp 181-186°. Bp₁₀ 95-100°

Solubility: Sol. H_2O , EtOH; mod. sol. Et_2O

Other Data: Spar. steam-volatile

Sigma: V4002

>>**Derivative:** Hydrochloride

Physical Description: Plates (Me_2CO)

Melting Point: Mp 118-119°

>>**Derivative:** Dibenzoyl

Physical Description: Prisms (Me_2CO aq.)

Melting Point: Mp 114°

References:

- Aldrich Library of FT-IR Spectra*, 1st edn., 1985, **1**, 336C; 336D, (ir)
Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 540B, (nmr)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 426A; 426B; 426C, (ir)
Karrer, P. *et al.*, *Helv. Chim. Acta*, 1922, **5**, 478; 1949, **32**, 1156, (synth, abs config)
Barrow, F. *et al.*, *J.C.S.*, 1935, 410, (synth, abs config)
Kurth, M.J. *et al.*, *J.A.C.S.*, 1985, **107**, 443, (use)
Meyers, A.I. *et al.*, *Tet. Lett.*, 1985, **26**, 2047, (use)
Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1986, **12**, 563; 1988, **13**, 341; **16**, 380, (use)
Ibuka, T. *et al.*, *J.O.C.*, 1997, **62**, 999-1015, (2,4,6-trimethylbenzenesulfonyl, synth, pmr)
Segat-Dioury, F. *et al.*, *Tetrahedron*, 2000, **56**, 233-248, (S-form, synth)