



Optical Rotation: $[\alpha]_{\text{D}}^{20} +1.55$ (neat) (92.3% op)

>>**Derivative:** Amide

CAS Registry Number: 62965-57-5

Molecular Formula: $\text{C}_6\text{H}_{14}\text{N}_2\text{O}$

Molecular Weight: 130.189

Accurate Mass: 130.110613

Percentage Composition: C 55.35%; H 10.84%; N 21.52%; O 12.29%

Melting Point: Mp 205° (as hydrochloride)

Optical Rotation: $[\alpha]_{\text{D}}^{23} +41.8$ (c, 1 in MeOH)

>>**Derivative:** *N*-*tert*-Butyloxycarbonyl, dicyclohexylamine salt

Melting Point: Mp 165°

Optical Rotation: $[\alpha]_{\text{D}}^{23} -7.2$ (c, 1 in MeOH)

>>**Derivative:** *N*-Benzyloxycarbonyl

CAS Registry Number: 62965-10-0

Molecular Formula: $\text{C}_{14}\text{H}_{19}\text{NO}_4$

Molecular Weight: 265.308

Accurate Mass: 265.131409

Percentage Composition: C 63.38%; H 7.22%; N 5.28%; O 24.12%

Physical Description: Syrup

Optical Rotation: $[\alpha]_{\text{D}}^{20} +5.9$ (c, 1.0 in MeOH)

>>**Derivative:** *N*-Benzyloxycarbonyl, dicyclohexylamine salt

CAS Registry Number: 62965-37-1

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 165.5-166°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +8.5$ (c, 1.0 in MeOH)

>>**Variant:** (±)-form

CAS Registry Number: 33105-81-6

Molecular Formula: $\text{C}_6\text{H}_{13}\text{NO}_2$

Molecular Weight: 131.174

Accurate Mass: 131.094629

Percentage Composition: C 54.94%; H 9.99%; N 10.68%; O 24.39%

Physical Description: Cryst. (Me₂CO aq.)

Melting Point: Mp 250-251 subl.°

Aldrich: 33217-8

Fluka: 61837

>>**Derivative:** Et ester

Molecular Formula: $\text{C}_8\text{H}_{17}\text{NO}_2$

Molecular Weight: 159.228

Accurate Mass: 159.125929

Percentage Composition: C 60.35%; H 10.76%; N 8.80%; O 20.10%

Boiling Point: Bp₁₂ 90-100°

References:

- Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **1**, 873A; 873C, (*nmr*)
Izumiya, N. *et al.*, *J. Biol. Chem.*, 1953, **205**, 221, (*struct*)
Nakamura, S. *et al.*, *Chem. Pharm. Bull.*, 1965, **13**, 599, (*isol*)
Miyazawa, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 1539-1540, (*synth, resoln, benzyloxycarbonyl*)
Fauchère, J.-L., *Helv. Chim. Acta*, 1980, **63**, 824, (*props*)
Viret, J. *et al.*, *Tet. Lett.*, 1986, **27**, 5865, (*resoln, bibl*)
Speelman, J.C. *et al.*, *J.O.C.*, 1989, **54**, 1055, (*synth, ir, pmr, cmr, bibl*)
Kunz, H. *et al.*, *Tet. Lett.*, 1989, **30**, 4109, (*synth*)
Corey, E.J. *et al.*, *J.A.C.S.*, 1992, **114**, 1906, (*synth, ir*)
Groth, U. *et al.*, *Annalen*, 1993, 715, (*synth*)
Drok, K.J. *et al.*, *Aust. J. Chem.*, 1993, **46**, 1557, (*synth*)