



>>Variant: (±)-form

CAS Registry Number: 926-77-2

Molecular Formula: C₅H₁₀N₂O₃

Molecular Weight: 146.146

Accurate Mass: 146.069143

Percentage Composition: C 41.09%; H 6.90%; N 19.17%; O 32.84%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 227 dec.°

Solubility: V. sol. H₂O, v. spar. sol. EtOH

Sigma: G1504

>>Derivative: Et ester

Molecular Formula: C₇H₁₄N₂O₃

Molecular Weight: 174.199

Accurate Mass: 174.100443

Percentage Composition: C 48.26%; H 8.10%; N 16.08%; O 27.55%

Physical Description: Needles (Et₂O)

Melting Point: Mp 66° (sinters at 62°)

>>Derivative: Amide

Molecular Formula: C₅H₁₁N₃O₂

Molecular Weight: 145.161

Accurate Mass: 145.085127

Percentage Composition: C 41.37%; H 7.64%; N 28.95%; O 22.04%

Melting Point: Mp 126-127°

>>Derivative: Anhydride

>>Derivative: *N*-Benzyloxycarbonyl

CAS Registry Number: 23446-00-6

Physical Description: Cryst.

Melting Point: Mp 183° (177-178°)

>>Derivative: *N*-Benzyloxycarbonyl, Et ester

Melting Point: Mp 53-55°

References:

- Schönheimer, R., *Hoppe Seyler's Z. Physiol. Chem.*, 1926, **154**, 203
Erlanger, B.F. *et al.*, *J.A.C.S.*, 1951, **73**, 3508, (*synth*)
Goldschmidt, S. *et al.*, *Annalen*, 1952, **575**, 217, (*synth*)
Zahn, H. *et al.*, *Annalen*, 1957, **604**, 62; 1958, **613**, 76, (*synth*)
Weygand, F. *et al.*, *Chem. Ber.*, 1960, **93**, 2983
Birkofer, L. *et al.*, *Annalen*, 1962, **659**, 190, (*synth*)
Benoiton, L. *et al.*, *J.C.S.*, 1964, 824, (*synth*)
Izumiya, N. *et al.*, *Bull. Chem. Soc. Jpn.*, 1971, **44**, 3391-3395, (*benzyloxycarbonyl*)
Saito, T., *Chem. Lett.*, 1975, 729-732, (*benzyloxycarbonyl*)
Waki, M. *et al.*, *J.A.C.S.*, 1977, **99**, 6075-6082, (*benzyloxycarbonyl*)