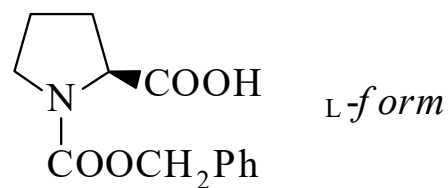




>>Entry Name: Benzyloxycarbonylproline

Synonym(s): 1-(Phenylmethyl) 1,2-pyrrolidinedicarboxylate. 1-Benzyl 1,2-pyrrolidinedicarboxylate, 8Cl. Z-ProOH



Molecular Formula: C₁₃H₁₅NO₄

Molecular Weight: 249.266

Accurate Mass: 249.100109

Percentage Composition: C 62.64%; H 6.07%; N 5.62%; O 25.67%

>>Variant: D-form

CAS Registry Number: 6404-31-5

Molecular Formula: C₁₃H₁₅NO₄

Molecular Weight: 249.266

Accurate Mass: 249.100109

Percentage Composition: C 62.64%; H 6.07%; N 5.62%; O 25.67%

Melting Point: Mp 76-78°

Optical Rotation: $[\alpha]_D^{25} +40.2$ (c, 2 in EtOH)

Aldrich: 86073-5

Sigma: C5640

>>Variant: L-form

CAS Registry Number: 1148-11-4

Molecular Formula: C₁₃H₁₅NO₄

Molecular Weight: 249.266

Accurate Mass: 249.100109

Percentage Composition: C 62.64%; H 6.07%; N 5.62%; O 25.67%

Melting Point: Mp 78-80°

Optical Rotation: $[\alpha]_D -61$ (c, 2 in AcOH)

Hazard & Toxicity: Exp. reprod. effects

Aldrich: C860-1

Fluka: 97090

Sigma: C4752

>>Derivative: 2-tert-Butyloxycarbonylhydrazide

Synonym(s): Z-ProNHNHBoc

CAS Registry Number: 53157-64-5

Melting Point: Mp 164°

Optical Rotation: $[\alpha]_D -83.4$ (c, 1.1 in MeOH)

>>Derivative: Me ester

CAS Registry Number: 5211-23-4

Molecular Formula: C₁₄H₁₇NO₄

Molecular Weight: 263.293

Accurate Mass: 263.115759

Percentage Composition: C 63.87%; H 6.51%; N 5.32%; O 24.31%

Optical Rotation: $[\alpha]_D^{22} -36.8$ (neat)

Refractive Index: n_D^{20} 1.5217

Aldrich: 36291-3

>>Derivative: Succinimido ester

Synonym(s): Z-ProOSu

CAS Registry Number: 3397-33-9

Melting Point: Mp 90°

Optical Rotation: $[\alpha]_D -54$ (c, 2 in dioxan)

Fluka: 97101

Sigma: C0295