



>>Entry Name: Glycylglycylphenylalanine

Related CAS Registry Numbers(s): 62006-77-3 74808-53-0 78682-73-2 110954-20-6
H2NCH2CONHCH2CONHCH(COOH)CH2Ph

Molecular Formula: C₁₃H₁₇N₃O₄

Molecular Weight: 279.295

Accurate Mass: 279.121907

Percentage Composition: C 55.91%; H 6.13%; N 15.05%; O 22.91%

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 6234-26-0

Molecular Formula: C₁₃H₁₇N₃O₄

Molecular Weight: 279.295

Accurate Mass: 279.121907

Percentage Composition: C 55.91%; H 6.13%; N 15.05%; O 22.91%

Physical Description: Cryst.

Melting Point: Mp 228-230°

Optical Rotation: [α]_D²⁵+35.6 (c, 1.0 in H₂O)

>>Derivative: Me ester

CAS Registry Number: 71921-20-5

Extra CAS Registry Numbers(s): 61131-29-1

Molecular Formula: C₁₄H₁₉N₃O₄

Molecular Weight: 293.322

Accurate Mass: 293.137557

Percentage Composition: C 57.33%; H 6.53%; N 14.33%; O 21.82%

Physical Description: Cryst. (1-propanol) (as hydrochloride)

Melting Point: Mp 182-183° (hydrochloride)

Optical Rotation: [α]_D +47 (c, 1.0 in AcOH)

>>Derivative: Benzyl ester

CAS Registry Number: 55266-00-7

Molecular Formula: C₂₀H₂₃N₃O₄

Molecular Weight: 369.419

Accurate Mass: 369.168857

Percentage Composition: C 65.03%; H 6.28%; N 11.37%; O 17.32%

Physical Description: Cryst. + 1H₂O (as hydrochloride)

Melting Point: Mp 122-123° (hydrochloride)

Optical Rotation: [α]_D -2 (c, 1.0 in MeOH)

>>Derivative: N-Ac, Me ester

CAS Registry Number: 35671-84-2

Molecular Formula: C₁₆H₂₁N₃O₅

Molecular Weight: 335.359

Accurate Mass: 335.148122

Percentage Composition: C 57.30%; H 6.31%; N 12.53%; O 23.85%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 183-185°

>>Derivative: N-Benzyloxycarbonyl, Me ester

CAS Registry Number: 15027-03-9

Molecular Formula: C₂₂H₂₅N₃O₆

Molecular Weight: 427.456

Accurate Mass: 427.174337

Percentage Composition: C 61.82%; H 5.89%; N 9.83%; O 22.46%

Physical Description: Waxy solid