



>>Entry Name: *N*- γ -Glutamylglycine

HOOCCH(NH₂)CH₂CH₂CONHCH₂COOH

Molecular Formula: C₇H₁₂N₂O₅

Molecular Weight: 204.182

Accurate Mass: 204.074623

Percentage Composition: C 41.18%; H 5.92%; N 13.72%; O 39.18%

>>Variant: D-form

CAS Registry Number: 6729-55-1

Molecular Formula: C₇H₁₂N₂O₅

Molecular Weight: 204.182

Accurate Mass: 204.074623

Percentage Composition: C 41.18%; H 5.92%; N 13.72%; O 39.18%

Physical Description: Cryst. (H₂O/EtOH/Et₂O)

Melting Point: Mp 177.5-178.5°

Other Data: Cont. some water of crystallisation

>>Variant: L-form

CAS Registry Number: 1948-29-4

Molecular Formula: C₇H₁₂N₂O₅

Molecular Weight: 204.182

Accurate Mass: 204.074623

Percentage Composition: C 41.18%; H 5.92%; N 13.72%; O 39.18%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 200 dec. (191-192°)

Optical Rotation: [α]_D²⁰ +10.4 (c, 1.154 in H₂O)

>>Derivative: *N*-Benzyloxycarbonyl

Physical Description: Cryst. (Et₂O/petrol)

Melting Point: Mp 158°

References:

Rudinger, J *et al.*, *Coll. Czech. Chem. Comm.*, 1954, **19**, 375-386; 386-391, (*synth*)

Taschner, E. *et al.*, *Annalen*, 1961, **646**, 127-133, (*N*-benzyloxycarbonyl)

Losse, G. *et al.*, *Chem. Ber.*, 1963, **96**, 204-212, (*synth*)

Kusumoto, S. *et al.*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 1665-1671, (*D*-form)