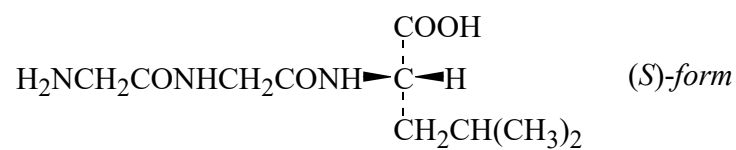




>>Entry Name: Glycylglycylleucine

Synonym(s): *N*-(*N*-Glycylglycyl)leucine, 9Cl, 8Cl



Molecular Formula: C₁₀H₁₉N₃O₄

Molecular Weight: 245.278

Accurate Mass: 245.137557

Percentage Composition: C 48.97%; H 7.81%; N 17.13%; O 26.09%

>>Variant: (*S*)-form

Synonym(s): *L*-form

CAS Registry Number: 14857-82-0

Molecular Formula: C₁₀H₁₉N₃O₄

Molecular Weight: 245.278

Accurate Mass: 245.137557

Percentage Composition: C 48.97%; H 7.81%; N 17.13%; O 26.09%

Physical Description: Bitter taste

Melting Point: Mp 195-198° (dec.). Mp 217° (dec.)(as hydrate)

Optical Rotation: $[\alpha]_{\text{D}}^{19} -29.9$ (c, 2 in H₂O)

References:

Crofts, P.C. *et al.*, *J.C.S.*, 1959, 3610-3616, (*S*-form, synth)

Weyand, F. *et al.*, *Chem. Ber.*, 1960, **93**, 2983-3005, (*S*-form, synth)

Beecham, A.F. *et al.*, *Tetrahedron*, 1967, **23**, 4481-4486; 1968, **24**, 2773-2781, (*S*-form, pmr, ord)

Deslauriers, R. *et al.*, *Int. J. Pept. Protein Res.*, 1979, **13**, 473-478, (cmr)

Ishibashi, N. *et al.*, *Agric. Biol. Chem.*, 1987, **51**, 2389-2394, (*S*-form, synth)

Koester, C. *et al.*, *Org. Mass Spectrom.*, 1992, **27**, 463-471, (ms)