



>>Entry Name: *N*-Leucylphenylalanine, 9Cl, 8Cl

Extra CAS Registry Numbers(s): 56217-82-4
(H₃C)₂CHCH₂CH(NH₂)CONHCH(COOH)CH₂Ph

Molecular Formula: C₁₅H₂₂N₂O₃

Molecular Weight: 278.35

Accurate Mass: 278.163043

Percentage Composition: C 64.73%; H 7.97%; N 10.06%; O 17.24%

>>Variant: D-D-form

Molecular Formula: C₁₅H₂₂N₂O₃

Molecular Weight: 278.35

Accurate Mass: 278.163043

Percentage Composition: C 64.73%; H 7.97%; N 10.06%; O 17.24%

>>Derivative: Me ester; hydrochloride

Molecular Formula: C₁₆H₂₅ClN₂O₃

Molecular Weight: 328.838

Percentage Composition: C 58.44%; H 7.66%; Cl 10.78%; N 8.52%; O 14.60%

Melting Point: Mp 199-201°

Optical Rotation: [α]_D −10.6 (c, 0.5 in MeOH)

>>Variant: D-L-form

Molecular Formula: C₁₅H₂₂N₂O₃

Molecular Weight: 278.35

Accurate Mass: 278.163043

Percentage Composition: C 64.73%; H 7.97%; N 10.06%; O 17.24%

>>Derivative: Me ester; hydrochloride

CAS Registry Number: 37885-97-5

Melting Point: Mp 215-220°

Optical Rotation: [α]_D −30.7 (c, 0.5 in MeOH)

>>Variant: L-L-form

CAS Registry Number: 3063-05-6

Molecular Formula: C₁₅H₂₂N₂O₃

Molecular Weight: 278.35

Accurate Mass: 278.163043

Percentage Composition: C 64.73%; H 7.97%; N 10.06%; O 17.24%

Use/Importance: Carboxypeptidase Y inhibitor

Physical Description: Bitter-tasting

Sigma: L3127

References:

Blaha, K., *Coll. Czech. Chem. Comm.*, 1972, **37**, 1861, (*synth*)

Christl, M. *et al.*, *J.A.C.S.*, 1972, **94**, 4565, (*cmr*)

Bai, Y. *et al.*, *J. Biochem. (Tokyo)*, 1975, **77**, 81, (*synth, use*)

Dale, B.J. *et al.*, *J.C.S. Perkin 2*, 1976, 91, (*pmr*)

Mitchell, A.R. *et al.*, *Anal. Chem.*, 1978, **50**, 637, (*synth, chromatog*)