



>>Entry Name: *N*-Leucylleucine

Extra CAS Registry Numbers(s): 2883-36-5

$(\text{H}_3\text{C})_2\text{CHCH}_2\text{CH}(\text{NH}_2)\text{CONHCH}(\text{COOH})\text{CH}_2\text{CH}(\text{CH}_3)_2$

Molecular Formula: $\text{C}_{12}\text{H}_{24}\text{N}_2\text{O}_3$

Molecular Weight: 244.333

Accurate Mass: 244.178693

Percentage Composition: C 58.99%; H 9.90%; N 11.47%; O 19.64%

>>Variant: (*S,S*)-form

Synonym(s): L-L-form

CAS Registry Number: 3303-31-9

Molecular Formula: $\text{C}_{12}\text{H}_{24}\text{N}_2\text{O}_3$

Molecular Weight: 244.333

Accurate Mass: 244.178693

Percentage Composition: C 58.99%; H 9.90%; N 11.47%; O 19.64%

Physical Description: Plates (EtOH aq.)

Melting Point: Mp 270°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -13.36$ (c, 1 in 1M NaOH)

Sigma: L2752

>>Variant: (*S,R*)-form

Synonym(s): L-Leucyl-D-leucine

CAS Registry Number: 17665-02-0

Molecular Formula: $\text{C}_{12}\text{H}_{24}\text{N}_2\text{O}_3$

Molecular Weight: 244.333

Accurate Mass: 244.178693

Percentage Composition: C 58.99%; H 9.90%; N 11.47%; O 19.64%

Optical Rotation: $[\alpha]_{\text{D}} +68$ (1M HCl)

Sigma: L3377

References:

Noda, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1968, **41**, 401, (*synth*)

Stevenson, D. *et al.*, *J.C.S.(C)*, 1969, 2389, (*synth*)

Asatoor, A.M. *et al.*, *Clin. Sci. Mol. Med.*, 1973, **45**, 199; *CA*, **79**, 144407