
Product Data Sheet

Product Name: H-Nle-OH
Cat. No.: GA10799

Chemical Properties

Cas. No. 327-57-1

Chemical Name (2S)-2-aminohexanoic acid

SMILES CCCCC(C(=O)O)N

Formula C₆H₁₃NO₂

M.Wt 131.2

Solubility H₂O : 5 mg/mL (38.12 mM; ultrasonic and warming and heat to 60°C) Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

L-Norleucine is an isomer of leucine, specifically affects protein synthesis in skeletal muscle, and has antivirus activity.

L-Norleucine is an isomer of leucine, specifically affecting protein synthesis in skeletal muscle[1]. L-Norleucine has antiviral activity. L-Norleucine interacts with hnRNPA2/B1 protein to suppresses the expressions of Twist1 and Snail, two inhibitors of E-cadherin, and promotes the expression of E-cadherin, resulting in the inhibition of tumor metastasis[2].

References:

[1]. Schott KJ, et al. On the role of branched-chain amino acids in protein turnover of skeletal muscle. Studies in vivo with L-norleucine. Z Naturforsch C. 1985 May-Jun;40(5-6):427-37.

[2]. He T, et al. The homeostasis-maintaining metabolites from bacterial stress response

Caution: Product has not been fully validated for medical applications. For research use only.

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