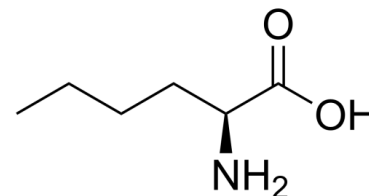


## Data Sheet

<b>Product Name:</b>	L-Norleucine
<b>Cat. No.:</b>	CS-W020710
<b>CAS No.:</b>	327-57-1
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>
<b>Molecular Weight:</b>	131.17
<b>Target:</b>	Endogenous Metabolite; Influenza Virus
<b>Pathway:</b>	Anti-infection; Metabolic Enzyme/Protease
<b>Solubility:</b>	H <sub>2</sub> O : 10 mg/mL (76.24 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

L-Norleucine ((S)-2-Aminohexanoic acid) is an isomer of leucine, specifically affects protein synthesis in skeletal muscle, and has antiviral activity. **In Vitro:** L-Norleucine is an isomer of leucine, specifically affecting protein synthesis in skeletal muscle<sup>[1]</sup>. 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<sup>[2]</sup>.

### 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 to bacteriophage infection suppress tumor metastasis. Oncogene. 2018 Jun 20.

### CAIndexNames:

L-Norleucine

### SMILES:

N[C@@H](CCCC)C(=O)O

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

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA