

Leu-AMS

Catalog No: **tcsc0031315**



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

288591-93-5

Formula:

$C_{16}H_{25}N_7O_7S$

Pathway:

Anti-infection;Metabolic Enzyme/Protease

Target:

Bacterial;Aminoacyl-tRNA Synthetase

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 49.17 mg/mL (107.01 mM)

Observed Molecular Weight:

459.48

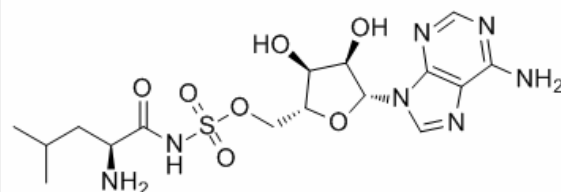
Product Description

Leu-AMS is a potent inhibitor of **leucyl-tRNA synthetase (LRS)** with an **IC₅₀** of 22.34 nM and inhibits the growth of bacteria.

IC50 & Target: IC50: 22.34 nM (LRS)^[1]

In Vitro:

Leu-AMS is proved to be a potent inhibitor of Leucyl-tRNA Synthetase (LRS) with an IC_{50} value of 22.34 nM. Leu-AMS is highly cytotoxic in both cancer cells and normal cells. Leu-AMS does not affect S6 kinase (S6K) phosphorylation at all. Leu-AMS inhibits the catalytic activity of LRS but does not affect the leucine-induced mTORC1 activation^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!