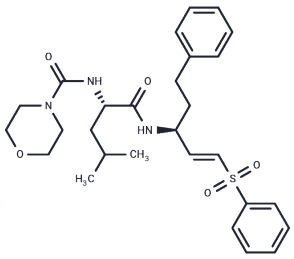
Data Sheet (Cat.No.T11846)

TargetMol

LHVS

Chemical Properties



CAS No. : 170111-28-1

Formula: C28H37N3O5S

Molecular Weight: 527.68

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	LHVS effectively blocks T. gondii microneme protein secretion (IC50=10 μM), gliding motility, and cell invasion. LHVS is a potent, non-selective cysteine protease inhibitor.
Targets(IC50)	Cysteine Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8951 mL	9.4754 mL	18.9509 mL
5 mM	0.379 mL	1.8951 mL	3.7902 mL
10 mM	0.1895 mL	0.9475 mL	1.8951 mL
50 mM	0.0379 mL	0.1895 mL	0.379 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Wilson SR, et al. Cathepsin K activity-dependent regulation of osteoclast actin ring formation and bone resorption. J Biol Chem. 2009 Jan 23;284(4):2584-92.

Teo CF, et al.Cysteine protease inhibitors block Toxoplasma gondii microneme secretion and cell invasion. Antimicrob Agents Chemother. 2007 Feb;51(2):679-88.

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