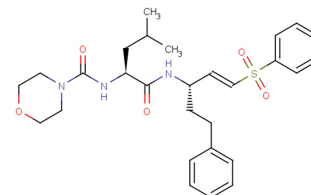


LHVS

Chemical Properties

CAS No.:	170111-28-1
Formula:	C ₂₈ H ₃₇ N ₃ O ₅ S
Molecular Weight:	527.68
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	LHVS effectively blocks <i>T. gondii</i> microneme protein secretion (IC ₅₀ =10 µM), gliding motility, and cell invasion. LHVS is a potent, non-selective cysteine protease inhibitor.
Targets(IC ₅₀)	Cysteine protease: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.895 mL	9.475 mL	18.951 mL
5 mM	0.379 mL	1.895 mL	3.79 mL
10 mM	0.19 mL	0.948 mL	1.895 mL
50 mM	0.038 mL	0.19 mL	0.379 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.
2. Teo CF, et al. Cysteine protease inhibitors block *Toxoplasma gondii* microneme secretion and cell invasion. *Antimicrob Agents Chemother*. 2007 Feb;51(2):679-88.

Inhibitors · Natural Compounds · Compound Libraries

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