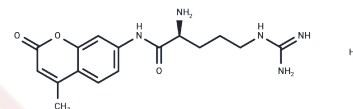


L-Arginine-7-amido-4-methylcoumarin hydrochloride

Chemical Properties

CAS No. :	69304-16-1
Formula:	C ₁₆ H ₂₂ ClN ₅ O ₃
Molecular Weight:	367.83
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	L-Arginine-7-amido-4-methylcoumarin hydrochloride is a specific fluorescent substrate and activity assay reagent for cathepsin H, and also serves as a substrate for the amino acid protease AP II.
Targets(IC50)	Aminopeptidase,Cysteine Protease

Solubility Information

Solubility	DMSO: 2.5 mg/mL (6.8 mM),Sonication is recommended. H ₂ O: 40 mg/mL (108.75 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7186 mL	13.5932 mL	27.1865 mL
5 mM	0.5437 mL	2.7186 mL	5.4373 mL
10 mM	0.2719 mL	1.3593 mL	2.7186 mL
50 mM	0.0544 mL	0.2719 mL	0.5437 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Bei-Wei Zhu, et al. Purification and characterization of a cathepsin L-like enzyme from the body wall of the sea cucumber *Stichopus japonicus*. *Biosci Biotechnol Biochem.* 2008 Jun;72(6):1430-7.

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