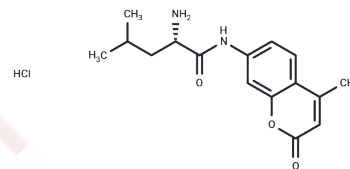


L-Leucine-7-amido-4-methylcoumarin hydrochloride

Chemical Properties

CAS No. :	62480-44-8
Formula:	C ₁₆ H ₂₁ ClN ₂ O ₃
Molecular Weight:	324.8
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	L-Leu-AMC is a fluorogenic substrate for leucine aminopeptidase. Upon enzymatic cleavage by leucine aminopeptidase, AMC is released and its fluorescence can be used to quantify leucine aminopeptidase activity. AMC displays excitation/emission maxima of 340-360/440-460 nm, respectively.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 25 mg/mL (76.97 mM), Sonication is recommended. DMSO:PBS (pH 7.2) (1:3): 0.25 mg/mL (0.77 mM), Sonication is recommended. DMF: 25 mg/mL (76.97 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	3.0788 mL	15.3941 mL	30.7882 mL
5 mM	0.6158 mL	3.0788 mL	6.1576 mL
10 mM	0.3079 mL	1.5394 mL	3.0788 mL
50 mM	0.0616 mL	0.3079 mL	0.6158 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

Izquierdo, M., Lin, D., O'Neill, S., et al. Development of a high-throughput screening assay to identify inhibitors of the major M17-leucyl aminopeptidase from Trypanosoma cruzi using rapidfire mass spectrometry SLAS Discov. 25 (9)1064-1071(2020)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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