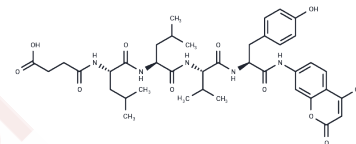


Suc-Leu-Leu-Val-Tyr-AMC

Chemical Properties

CAS No. :	94367-21-2
Formula:	C ₄₀ H ₅₃ N ₅ O ₁₀
Molecular Weight:	763.88
Storage:	Keep away from moisture 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	Suc-Leu-Leu-Val-Tyr-AMC is a fluorescent substrate for the 20S proteasome, as well as other chymotrypsin-like proteases (20S-proteasome/chymotrypsin).
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Solubility Information

Solubility	DMSO: 20 mg/mL (26.18 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	1.3091 mL	6.5455 mL	13.0911 mL
5 mM	0.2618 mL	1.3091 mL	2.6182 mL
10 mM	0.1309 mL	0.6546 mL	1.3091 mL
50 mM	0.0262 mL	0.1309 mL	0.2618 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

Roberta L. Debiase, et al. Reovirus-Induced Apoptosis Is Preceded by Increased Cellular Calpain Activity and Is Blocked by Calpain Inhibitors. *J Virol.* 1999 Jan; 73(1): 695-701.

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