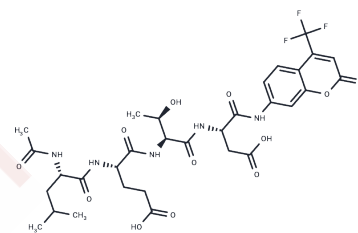


Ac-LETD-AFC

Chemical Properties

CAS No. :	210345-02-1
Formula:	C ₃₁ H ₃₈ F ₃ N ₅ O ₁₂
Molecular Weight:	729.65
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	Ac-LETD-AFC is a fluorescent substrate specifically cleaved by caspase-8 and can be used to quantify caspase activity by fluorescence detection of free AFC. Ac-LETD-AFC has an excitation wavelength of 400 nm and an emission wavelength of 505 nm.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 5 mg/mL (6.85 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	1.3705 mL	6.8526 mL	13.7052 mL
5 mM	0.2741 mL	1.3705 mL	2.741 mL
10 mM	0.1371 mL	0.6853 mL	1.3705 mL
50 mM	0.0274 mL	0.1371 mL	0.2741 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

Ignacio Bejarano, et al. Melatonin enhances hydrogen peroxide-induced apoptosis in human promyelocytic leukaemia HL-60 cells. Mol Cell Biochem. 2011 Jul;353(1-2):167-76.

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