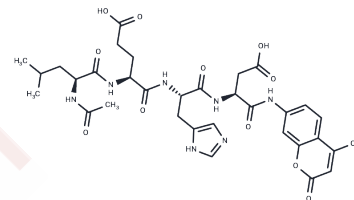


## Ac-LEHD-AMC

## Chemical Properties

CAS No. :	292633-16-0
Formula:	C33H41N7O11
Molecular Weight:	711.729
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Ac-LEHD-AMC is a fluorogenic substrate for caspase-9.[1] Upon cleavage by caspase-9, 7-amino-4-methylcoumarin (AMC) is released, and its fluorescence can be used to quantify caspase-9 activity. AMC displays excitation/emission maxima of 340-360/440-460 nm, respectively.
Targets(IC50)	Others,Caspase

## Solubility Information

Solubility	H2O: 1 mg/mL (1.41 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	1.405 mL	7.0251 mL	14.0503 mL
5 mM	0.281 mL	1.405 mL	2.8101 mL
10 mM	0.1405 mL	0.7025 mL	1.405 mL
50 mM	0.0281 mL	0.1405 mL	0.281 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

Prudnikov, I.M., and Smirnov, A.N. Short peptide tools for monitoring caspase and proteasome activities in embryonal and adult rat brain lysates: An approach for the differential identification of proteases. J. Biochem. 151 (3), 299-316 (2012).

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