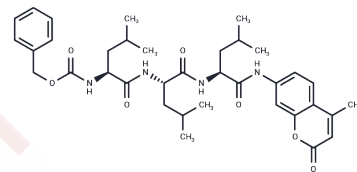


## Z-LLL-AMC

## Chemical Properties

CAS No. :	152015-61-7
Formula:	C <sub>36</sub> H <sub>48</sub> N <sub>4</sub> O <sub>7</sub>
Molecular Weight:	648.801
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	Z-LLL-AMC is a fluorogenic substrate for the chymotrypsin-like activity of the 26S proteasome or 20S proteolytic core. Chymotrypsin-like activity can be quantified by fluorescent detection of free AMC (also known as 7-amino-4-methylcoumarin), which is excited at 340-360 nm and emits at 440-460 nm. Z-LLL-AMC is typically used in cell lysates after experimental treatment.
Targets(IC50)	Proteasome

## Solubility Information

Solubility	DMF: Soluble Acetone: Soluble DMSO: Soluble ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5413 mL	7.7065 mL	15.4131 mL
5 mM	0.3083 mL	1.5413 mL	3.0826 mL
10 mM	0.1541 mL	0.7707 mL	1.5413 mL
50 mM	0.0308 mL	0.1541 mL	0.3083 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.

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