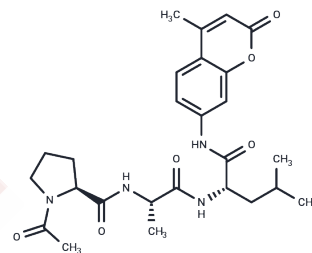


## Ac-PAL-AMC

## Chemical Properties

CAS No. :	1431362-79-6
Formula:	C <sub>26</sub> H <sub>34</sub> N <sub>4</sub> O <sub>6</sub>
Molecular Weight:	498.57
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-PAL-AMC is a fluorogenic substrate for the $\beta$ 1i/LMP2 subunit of the 20S immunoproteasome. Upon cleavage, 7-amino-4-methylcoumarin (AMC) is released, and its fluorescence can quantify the activity of the $\beta$ 1i/LMP2 subunit. Ac-PAL-AMC is selective for the immunoproteasome over the constitutive proteasome. AMC displays excitation/emission maxima of 351/430 nm.
Targets(IC50)	Others, Proteasome

## Solubility Information

Solubility	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	2.0057 mL	10.0287 mL	20.0574 mL
5 mM	0.4011 mL	2.0057 mL	4.0115 mL
10 mM	0.2006 mL	1.0029 mL	2.0057 mL
50 mM	0.0401 mL	0.2006 mL	0.4011 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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