

Ac-ANW-AMC

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight
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-ANW-AMC is a fluorogenic substrate for the β 5i/LMP7 subunit of the 20S immunoproteasome. [1] Upon cleavage, 7-amino-4-methylcoumarin (AMC) is released, and its fluorescence quantifies the activity of the β 5i/LMP7 subunit. AMC displays excitation/emission maxima of 340-360/440-460 nm, respectively.
Targets(IC50)	Others,Proteasome

Solubility Information

Solubility	DMSO: 10 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Winter, M.B., La Greca, F., Arastu-Kapur, S., et al. Immunoproteasome functions explained by divergence in cleavage specificity and regulation. eLife 6:e27364, (2017).

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481