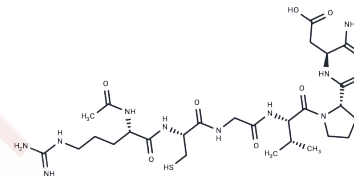


## MMP-3 Inhibitor

## Chemical Properties

CAS No. :	158841-76-0
Formula:	C <sub>27</sub> H <sub>46</sub> N <sub>10</sub> O <sub>9</sub> S
Molecular Weight:	686.78
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	MMP-3 Inhibitor is a peptide matrix metalloproteinase-3 (MMP-3) inhibitor with a Ki value of 95 nM. MMP-3 inhibitor has anticancer and antitumor activity.
Targets(IC50)	MMP

## Solubility Information

Solubility	DMF: 30 mg/mL (43.68 mM), Sonication is recommended. PBS (pH 7.2): 10 mg/mL (14.56 mM), Sonication is recommended. DMSO: 250 mg/mL (364.02 mM), Sonication is recommended. Ethanol: 30 mg/mL (43.68 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (14.56 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.4561 mL	7.2804 mL	14.5607 mL
5 mM	0.2912 mL	1.4561 mL	2.9121 mL
10 mM	0.1456 mL	0.728 mL	1.4561 mL
50 mM	0.0291 mL	0.1456 mL	0.2912 mL

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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

Umezawa, N., Noro, Y., Ukai, K., et al. Photocontrol of peptide function: Backbone cyclization strategy with photocleavable amino acid. *ChemBioChem* 12(11), 1694-1698 (2011).

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