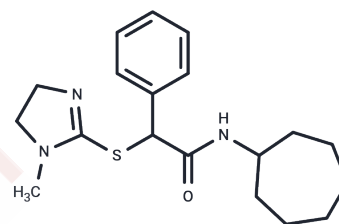


## Apostatin-1

## Chemical Properties

CAS No. :	2559703-06-7
Formula:	C <sub>19</sub> H <sub>27</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	345.5
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	Apostatin-1 (Apt-1) is a novel TRADD inhibitor that binds to a pocket on the N-terminal TRAF2 binding domain of TRADD.
Targets(IC50)	Apoptosis,Others,Autophagy,Necroptosis,RIP kinase
In vitro	Apostatin-1 inhibited bortezomib induced apoptosis and ripk1 dependent apoptosis (RDA) with the IC50 of ~1μM.

## Solubility Information

Solubility	Ethanol: 9 mg/mL (26.05 mM),Sonication is recommended. DMSO: 50 mg/mL (144.72 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	2.8944 mL	14.4718 mL	28.9436 mL
5 mM	0.5789 mL	2.8944 mL	5.7887 mL
10 mM	0.2894 mL	1.4472 mL	2.8944 mL
50 mM	0.0579 mL	0.2894 mL	0.5789 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

Xu D , Zhao H , Jin M , et al. Modulating TRADD to restore cellular homeostasis and inhibit apoptosis[J]. Nature, 2020, 587(7832):1-6.

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