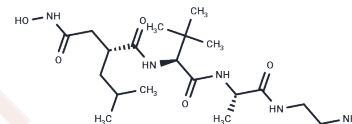


## TAPI 2

## Chemical Properties

CAS No. :	689284-12-6
Formula:	C <sub>19</sub> H <sub>37</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	415.54
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	ADAM-17 (TACE) and MMP inhibitor (K <sub>i</sub> = 120 nM at ADAM-17). Sensitizes cancer stem cells to the lethal effects of 5-FU in vitro. Blocks shedding of TNF-α from cell
Targets(IC50)	MMP,Others,SARS-CoV

## Solubility Information

Solubility	H <sub>2</sub> O: 5 mg/mL (12.03 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	2.4065 mL	12.0325 mL	24.0651 mL
5 mM	0.4813 mL	2.4065 mL	4.813 mL
10 mM	0.2407 mL	1.2033 mL	2.4065 mL
50 mM	0.0481 mL	0.2407 mL	0.4813 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

- Moss et al (2007) Fluorescent substrates for the proteinases ADAM17, ADAM10, ADAM8, and ADAM12 useful for high-throughput inhibitor screening. *Anal.Biochem.* 366 144 PMID:  
Wang et al (2016) A disintegrin and metalloproteinase domain 17 regulates colorectal cancer stem cells and chemosensitivity via notch1 signaling. *Stem Cells Transl.Med.* 5 331 PMID:

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