

## GCPII-IN-1 TFA

## Chemical Properties

CAS No. : 1269794-89-9

Formula: C<sub>14</sub>H<sub>22</sub>F<sub>3</sub>N<sub>3</sub>O<sub>9</sub>

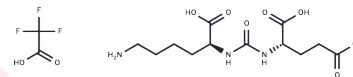
Molecular Weight: 433.34

Storage:

Keep away from moisture, 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	GCPII-IN-1 TFA is a scaffold inhibitor of glutamate carboxypeptidase II (GCPII; PSMA) with a $K_i$ of 44.3 nM.
Targets(IC <sub>50</sub> )	Carboxypeptidase, PSMA

## Solubility Information

Solubility	H <sub>2</sub> O: 120 mg/mL (276.92 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	2.3077 mL	11.5383 mL	23.0766 mL
5 mM	0.4615 mL	2.3077 mL	4.6153 mL
10 mM	0.2308 mL	1.1538 mL	2.3077 mL
50 mM	0.0462 mL	0.2308 mL	0.4615 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

Jan Tykvart, et al. Rational design of urea-based glutamate carboxypeptidase II (GCPII) inhibitors as versatile tools for specific drug targeting and delivery. *Bioorg Med Chem.* 2014 Aug 1;22(15):4099-108.

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