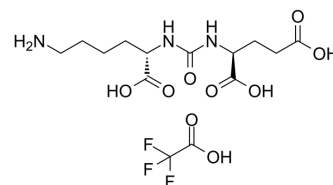


GCPII-IN-1 TFA

Cat. No.:	HY-139840A
CAS No.:	1269794-89-9
Molecular Formula:	C ₁₄ H ₂₂ F ₃ N ₃ O ₉
Molecular Weight:	433.33
Target:	Carboxypeptidase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (230.77 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>2.3077 mL</td> <td>11.5386 mL</td> <td>23.0771 mL</td> </tr> <tr> <td>5 mM</td> <td>0.4615 mL</td> <td>2.3077 mL</td> <td>4.6154 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2308 mL</td> <td>1.1539 mL</td> <td>2.3077 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	2.3077 mL	11.5386 mL	23.0771 mL	5 mM	0.4615 mL	2.3077 mL	4.6154 mL	10 mM	0.2308 mL	1.1539 mL	2.3077 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	1. Add each solvent one by one: PBS Solubility: 25 mg/mL (57.69 mM); Clear solution; Need ultrasonic																					

BIOLOGICAL ACTIVITY

Description	GCPII-IN-1 TFA is a glutamate carboxypeptidase II (GCPII, or PSMA) inhibitor scaffold with a K _i of 44.3 nM ^[1] .
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REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA