

GCPII-IN-1

Chemical Properties

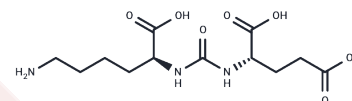
CAS No. : 1025796-32-0

Formula: C₁₂H₂₁N₃O₇

Molecular Weight: 319.314

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	GCPII-IN-1 is a potent inhibitor scaffold targeting glutamate carboxypeptidase II (GCPII), also known as prostate-specific membrane antigen (PSMA). It exhibits a high affinity for GCPII, with a binding affinity (K_i) of 44.3 nanomolar (nM).
Targets(IC50)	Others, Carboxypeptidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1318 mL	15.6588 mL	31.3175 mL
5 mM	0.6264 mL	3.1318 mL	6.2635 mL
10 mM	0.3132 mL	1.5659 mL	3.1318 mL
50 mM	0.0626 mL	0.3132 mL	0.6264 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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