

PU-48

Chemical Properties

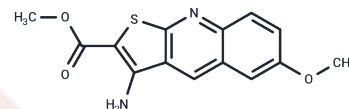
CAS No. : 335394-78-0

Formula: C₁₄H₁₂N₂O₃S

Molecular Weight: 288.32

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	PU-48 is a potent inhibitor of urea transporters A (UT-A) with an IC ₅₀ value of 0.32 μM, exhibiting a significant diuretic effect in mouse models without notable cytotoxicity. This compound has the potential for further development as a diuretic [1].
Targets(IC ₅₀)	Others,Urea Transporter

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4684 mL	17.3418 mL	34.6837 mL
5 mM	0.6937 mL	3.4684 mL	6.9367 mL
10 mM	0.3468 mL	1.7342 mL	3.4684 mL
50 mM	0.0694 mL	0.3468 mL	0.6937 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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