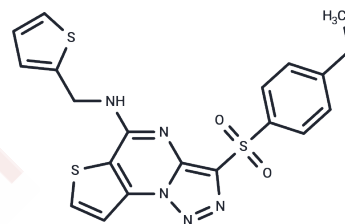


UT-B-IN-1

Chemical Properties

CAS No. : 892742-76-6
 Formula: C₂₀H₁₇N₅O₂S₃
 Molecular Weight: 455.58
 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	UT-B-IN-1 (UTBINH-14) is a reversible, competitive, and selective inhibitor of the urea transporter-B (UT-B) with IC ₅₀ values of 10 nM and 25 nM for human and mouse UT-B, respectively. It exhibits low toxicity and superior selectivity against UT-B compared to UT-A isoforms, enhances urine production, and decreases urine concentration in mice, making it suitable for research on diuretic mechanisms.
Targets(IC ₅₀)	Others,Urea Transporter

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.195 mL	10.975 mL	21.950 mL
5 mM	0.439 mL	2.195 mL	4.390 mL
10 mM	0.2195 mL	1.0975 mL	2.195 mL
50 mM	0.0439 mL	0.2195 mL	0.439 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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