

PAT1inh-B01

Chemical Properties

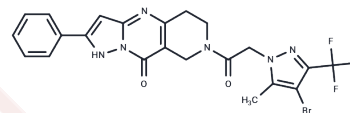
CAS No. : 1775330-54-5

Formula: C₂₂H₁₈BrF₃N₆O₂

Molecular Weight: 535.32

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 | PAT1inh-B01, a selective SLC26A6 inhibitor, impedes PAT1 (a Cl ⁻ /HCO ₃ ⁻ exchanger) activity, with an IC ₅₀ of 350 nM, effectively inhibiting anion exchange. It also obstructs fluid absorption in the small intestine and is utilized in the study of small intestinal hyposcretory disorders [1]. |
| Targets(IC ₅₀) | Others, Chloride channel |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.868 mL | 9.3402 mL | 18.6804 mL |
| 5 mM | 0.3736 mL | 1.868 mL | 3.7361 mL |
| 10 mM | 0.1868 mL | 0.934 mL | 1.868 mL |
| 50 mM | 0.0374 mL | 0.1868 mL | 0.3736 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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