

Product Data Sheet

Product Name: PAT1inh-B01

Cat. No.: GC71304

Chemical Properties

Cas. No. 1775330-54-5

Formula $C_{22}H_{18}BrF_3N_6O_2$ M.Wt 535.32

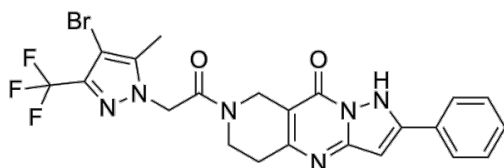
Solubility DMSO : 12.5 mg/mL (23.35 mM);
ultrasonic and warming and heat to 60°C; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

PAT1inh-B01 is a selective SLC26A6 inhibitor. PAT1inh-B01 inhibits PAT1 (a Cl-/HCO₃⁻ exchanger)-mediated anion exchange (IC₅₀: 350 nM). PAT1inh-B01 blocks fluid absorption in small intestine. PAT1inh-B01 can be used for research of small intestinal hyposecretory disorders.

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

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References:

[1]. Cil O, et al. SLC26A6-selective inhibitor identified in a small-molecule screen blocks fluid absorption in small intestine. JCI Insight. 2021 Jun 8;6(11):e147699.

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