

ARN19689

Chemical Properties

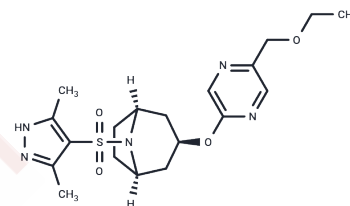
CAS No. : 2320521-34-2

Formula: C19H27N5O4S

Molecular Weight: 421.51

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	ARN19689 is an effective inhibitor of human NAAA, demonstrating high potency in the low nanomolar range (IC ₅₀ = 0.042 μM). The compound acts through a non-covalent mechanism, highlighting its ability to interact with the enzyme for inhibition.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3724 mL	11.8621 mL	23.7242 mL
5 mM	0.4745 mL	2.3724 mL	4.7448 mL
10 mM	0.2372 mL	1.1862 mL	2.3724 mL
50 mM	0.0474 mL	0.2372 mL	0.4745 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

Di Fruscia P, et al. Discovery and SAR Evolution of Pyrazole Azabicyclo[3.2.1]octane Sulfonamides as a Novel Class of Non-Covalent N-Acylethanolamine-Hydrolyzing Acid Amidase (NAAA) Inhibitors for Oral Administration. J Med Chem. 2021 Sep 23;64(18):13327-13355.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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