

JNT-517

Chemical Properties

CAS No. : 2837993-05-0

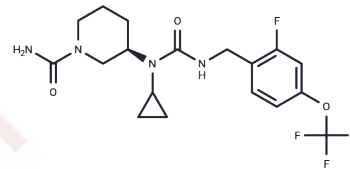
Formula: C₁₈H₂₂F₄N₄O₃

Molecular Weight: 418.39

Store at low temperature

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	JNT-517 (Example 352) is an orally active and selective allosteric inhibitor of SLC6A19 (IC ₅₀ = 47 nM) for studying phenylketonuria (PKU).
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (191.21 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3901 mL	11.9506 mL	23.9011 mL
5 mM	0.478 mL	2.3901 mL	4.7802 mL
10 mM	0.239 mL	1.1951 mL	2.3901 mL
50 mM	0.0478 mL	0.239 mL	0.478 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

- Dean G Brown, et al. Small molecule inhibitors of mammalian slc6a19 function. Patent WO2022192370A1.
Wobst HJ, et al. SLC6A19 inhibition facilitates urinary neutral amino acid excretion and lowers plasma phenylalanine. JCI Insight. 2024;9(21):e182876. Published 2024 Nov 8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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