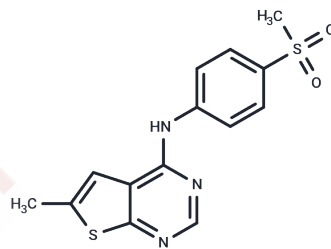


ARUK2001607

Chemical Properties

CAS No. : 2924824-56-4
 Formula: C₁₄H₁₃N₃O₂S₂
 Molecular Weight: 319.40
 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	ARUK2001607 is a selective inhibitor of phosphatidylinositol 5-phosphate 4-kinase γ (PI5P4Ky, K _d = 7.1 nM). ARUK2001607 exhibits high selectivity over other >150 kinases.
Targets(IC50)	PI3K

Solubility Information

Solubility	DMSO: 30 mg/mL (93.93 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	3.1309 mL	15.6544 mL	31.3087 mL
5 mM	0.6262 mL	3.1309 mL	6.2617 mL
10 mM	0.3131 mL	1.5654 mL	3.1309 mL
50 mM	0.0626 mL	0.3131 mL	0.6262 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

Timothy P C Rooney, et al. The Identification of Potent, Selective, and Brain Penetrant PI5P4Ky Inhibitors as In Vivo-Ready Tool Molecules. J Med Chem. 2022 Dec 14.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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