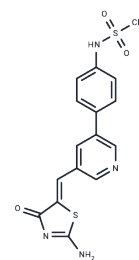


CVM-05-002

Chemical Properties

CAS No. : 2428738-43-4
 Formula: C₁₆H₁₄N₄O₃S₂
 Molecular Weight: 374.44
 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	CVM-05-002 is a PI3P4K inhibitor that exhibits differential inhibitory potency against PI3P4K α and PI3P4K β , with IC ₅₀ values of 0.27 μ M and 1.7 μ M, respectively.
Targets(IC50)	PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6707 mL	13.3533 mL	26.7065 mL
5 mM	0.5341 mL	2.6707 mL	5.3413 mL
10 mM	0.2671 mL	1.3353 mL	2.6707 mL
50 mM	0.0534 mL	0.2671 mL	0.5341 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

Theresa D Manz, et al. Discovery and Structure-Activity Relationship Study of (Z)-5-Methylenethiazolidin-4-one Derivatives as Potent and Selective Pan-phosphatidylinositol 5-Phosphate 4-Kinase Inhibitors. J Med Chem. 2020 May 14;63(9):4880-4895.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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