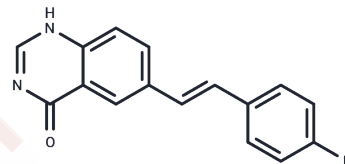


IP6K-IN-1

Chemical Properties

CAS No. : 3055440-67-7
Formula: C₁₆H₁₁FN₂O
Molecular Weight: 266.27
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	IP6K-IN-1 is a potent and selective IP6K inhibitor with an IC ₅₀ of 0.896 μM, applicable to research on metabolic diseases.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 2.66 mg/mL (9.99 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	3.7556 mL	18.7779 mL	37.5559 mL
5 mM	0.7511 mL	3.7556 mL	7.5112 mL
10 mM	0.3756 mL	1.8778 mL	3.7556 mL
50 mM	0.0751 mL	0.3756 mL	0.7511 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

Heitmann T, et al. Fragment-Based Screening Identifies New Quinazolinone-Based Inositol Hexakisphosphate Kinase (IP6K) Inhibitors. ACS Med Chem Lett. 2023 Nov 28;14(12):1760-1766.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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