

PI3K-IN-38

Chemical Properties

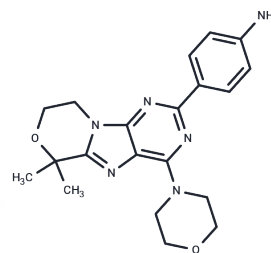
CAS No. : 1382979-64-7

Formula: C₂₀H₂₄N₆O₂

Molecular Weight: 380.44

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	PI3K-IN-38 is an orally available and potent PI3K inhibitor with an IC ₅₀ value of 0.541 μM for PI3K-α. PI3K-IN-38 exhibits anticancer and anti-inflammatory activity and inhibits tumor growth in vivo.
Targets(IC ₅₀)	PI3K

Solubility Information

Solubility	DMSO: 60 mg/mL (157.71 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	2.6285 mL	13.1427 mL	26.2854 mL
5 mM	0.5257 mL	2.6285 mL	5.2571 mL
10 mM	0.2629 mL	1.3143 mL	2.6285 mL
50 mM	0.0526 mL	0.2629 mL	0.5257 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

Dotson J, et al. Tricyclic pi3k inhibitor compounds and methods of use. WO2012082997A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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