

PI3K δ -IN-3

Chemical Properties

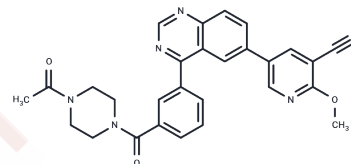
CAS No. : 1431540-99-6

Formula: C₂₈H₂₄N₆O₃

Molecular Weight: 492.53

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 δ -IN-3 (TC KHNS 11) is a PI3K δ inhibitor with an IC ₅₀ value of 9 nM. PI3K δ -IN-3 has a favorable pharmacokinetic profile and inhibits B cell function.
Targets(IC ₅₀)	PI3K

Solubility Information

Solubility	DMSO: 50 mg/mL (101.52 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	2.0303 mL	10.1517 mL	20.3033 mL
5 mM	0.4061 mL	2.0303 mL	4.0607 mL
10 mM	0.203 mL	1.0152 mL	2.0303 mL
50 mM	0.0406 mL	0.203 mL	0.4061 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

Hoegenauer K, et al. Discovery and Pharmacological Characterization of Novel Quinazoline-Based PI3K Delta-Selective Inhibitors. ACS Med Chem Lett. 2016 Jun 2;7(8):762-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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