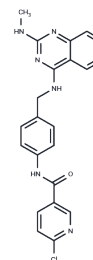


β -catenin-IN-6

Chemical Properties

CAS No. :	1039731-99-1
Formula:	C ₂₂ H ₁₉ ClN ₆ O
Molecular Weight:	418.88
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	β -Catenin-IN-6 is an inhibitor of the canonical Wnt/ β -catenin signaling pathway, effectively impeding the proliferation of human colorectal cancer cells and demonstrating efficacy in a β -catenin/RK3E mouse model [1] [2].
Targets(IC50)	Others,Wnt/beta-catenin
In vitro	β -Catenin-IN-6 (compound 9) demonstrates inhibitory effects on LoVo and HT29 cells after a 24-hour exposure, with IC ₅₀ values of 1.4 μ M and 1.37 μ M, respectively. This compound exhibits growth inhibition in several human colorectal cancer cell lines [1].
In vivo	β -catenin-IN-6 (compound 9) exhibits poor bioavailability [1]. Administered intraperitoneally at a dosage of 18.75 mg/kg daily for seven days, it reduces tumor volume in mice without affecting body weight [1]. At 150 mg/kg once weekly, β -catenin-IN-6 (compound 13) inhibits ectopic tumor growth in the β -catenin/RK3E mouse model [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3873 mL	11.9366 mL	23.8732 mL
5 mM	0.4775 mL	2.3873 mL	4.7746 mL
10 mM	0.2387 mL	1.1937 mL	2.3873 mL
50 mM	0.0477 mL	0.2387 mL	0.4775 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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