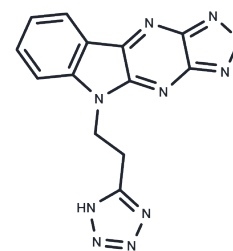


β -catenin-IN-37

Chemical Properties

CAS No. :	1783856-40-5
Formula:	C ₁₃ H ₉ N ₉ O
Molecular Weight:	307.277
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-37 is a selective inhibitor of the protein-protein interaction between β -Catenin and T-cell factor (Tcf), known as β -catenin/Tcf PPI. It effectively inhibits canonical Wnt signaling and impedes the growth of colorectal cancer cells SW480 and HCT116, with IC ₅₀ values of 20 μ M and 31 μ M, respectively.
Targets(IC ₅₀)	Others,Wnt/beta-catenin
In vitro	' β -catenin-IN-37 exhibits affinity for the β -catenin/Tcf protein-protein interaction (PPI), demonstrating dissociation constants (K_i values) of 17 μ M and 18 μ M in fluorescence polarization (FP) assay and AlphaScreen assay, respectively[1].'

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2544 mL	16.2718 mL	32.5436 mL
5 mM	0.6509 mL	3.2544 mL	6.5087 mL
10 mM	0.3254 mL	1.6272 mL	3.2544 mL
50 mM	0.0651 mL	0.3254 mL	0.6509 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

Catrow JL, et al. Discovery of Selective Small-Molecule Inhibitors for the β -Catenin/T-Cell Factor Protein-Protein Interaction through the Optimization of the Acyl Hydrazone Moiety. J Med Chem. 2015;58(11):4678-4692.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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