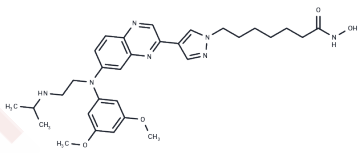
Data Sheet (Cat.No.T73179)

TargetMol

HDAC-IN-50

Chemical Properties



CAS No. : 2653339-26-3

Formula: C31H41N7O4

Molecular Weight: 575.7

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	HDAC-IN-50, a potent, orally active inhibitor targeting both FGFR (Fibroblast Growth Factor Receptor) and HDAC (Histone Deacetylase), exhibits IC50 values of 0.18, 1.2, 0.46, 1.4, 1.3, 1.6, 2.6, 13 nM for FGFR1, FGFR2, FGFR3, FGFR4, HDAC1, HDAC2, HDAC6, HDAC8, respectively. This dual inhibitor induces apoptosis and cell cycle arrest at the G0/G1 phase while decreasing the expression of phosphorylated FGFR1 (pFGFR1), phosphorylated ERK (pERK), and phosphorylated STAT3 (pSTAT3), thus demonstrating anti-tumor activity.
Targets(IC50)	Apoptosis,FGFR,Others,HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.737 mL	8.6851 mL	17.3702 mL
5 mM	0.3474 mL	1.737 mL	3.474 mL
10 mM	0.1737 mL	0.8685 mL	1.737 mL
50 mM	0.0347 mL	0.1737 mL	0.3474 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.

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