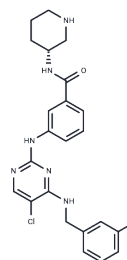


Trk-IN-9

Chemical Properties

CAS No. :	2758623-12-8
Formula:	C ₂₃ H ₂₄ ClFN ₆ O
Molecular Weight:	454.93
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Trk-IN-9 (Compound 12) is a potent inhibitor of TRK that inhibits the proliferation of Km-12 cell lines and induces apoptosis in a concentration-dependent manner. It also inhibits TRK phosphorylation and blocks downstream pathways, showing potential for NTRK fusion cancer research.
Targets(IC50)	Apoptosis,Trk receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1981 mL	10.9907 mL	21.9814 mL
5 mM	0.4396 mL	2.1981 mL	4.3963 mL
10 mM	0.2198 mL	1.0991 mL	2.1981 mL
50 mM	0.044 mL	0.2198 mL	0.4396 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

Wu T, et al. Rational drug design to explore the structure-activity relationship (SAR) of TRK inhibitors with 2,4-diaminopyrimidine scaffold. Eur J Med Chem. 2022;230:114096.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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