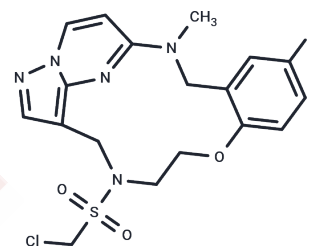


TRK-IN-12

Chemical Properties

CAS No. : 2823342-34-1
 Formula: C₁₈H₁₉ClFN₅O₃S
 Molecular Weight: 439.89
 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	TRK-IN-12 (Compound 9e), a macrocyclic derivative, is a potent TRK inhibitor, with efficacy against TRK G595R (IC ₅₀ = 13.1 nM). It demonstrates significant antiproliferative activity in the Ba/F3-LMNA-NTRK1 cell line (IC ₅₀ = 0.080 μM) and exhibits superior inhibitory performance (IC ₅₀ = 0.646 μM) compared to the control agent LOXO-101 in the Ba/F3-LMNA-NTRK1-G595R cell line [1].
Targets(IC50)	Others,Trk receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2733 mL	11.3665 mL	22.733 mL
5 mM	0.4547 mL	2.2733 mL	4.5466 mL
10 mM	0.2273 mL	1.1366 mL	2.2733 mL
50 mM	0.0455 mL	0.2273 mL	0.4547 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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