

Type II TRK inhibitor 1

Chemical Properties

CAS No. :	2937543-72-9
Formula:	C35H33F3N8O3
Molecular Weight:	670.68
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	Type II TRK Inhibitor 1 is a potent inhibitor targeting multiple tropomyosin receptor kinase (TRK) fusion protein variants as well as the wild type. It demonstrates notable antiproliferative effects on Ba/F3 cells expressing CD74-TRKA G667C and ETV6-TRKC G696C, with half-maximal inhibitory concentrations (IC50s) of 6 nM and 1.7 nM, respectively [1].
Targets(IC50)	Trk receptor
In vitro	Type II TRK inhibitor 1 (compound 7b) at concentrations ranging from 3.1 to 800 nM and a 2-hour incubation period inhibits the phosphorylation of TRKA, PLCy1, and ERK [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.491 mL	7.4551 mL	14.9102 mL
5 mM	0.2982 mL	1.491 mL	2.982 mL
10 mM	0.1491 mL	0.7455 mL	1.491 mL
50 mM	0.0298 mL	0.1491 mL	0.2982 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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