

TRK-IN-23

Chemical Properties

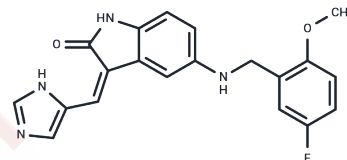
CAS No. : 2924344-29-4

Formula: C₂₀H₁₇FN₄O₂

Molecular Weight: 364.37

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-23 is a kinase inhibitor and a potent, oral second-generation TRK inhibitor (TRKA IC ₅₀ = 0.5 nM). It overcomes clinical resistance mutations like G595R in cancer research.
Targets(IC ₅₀)	Trk receptor
In vitro	TRK-IN-23 inhibits G595R mutant kinase activity by blocking the ATP site, downregulating phosphorylation and inducing apoptosis in Ba/F3 cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7445 mL	13.7223 mL	27.4446 mL
5 mM	0.5489 mL	2.7445 mL	5.4889 mL
10 mM	0.2744 mL	1.3722 mL	2.7445 mL
50 mM	0.0549 mL	0.2744 mL	0.5489 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

Dikalov, S. Cross talk between mitochondria and NADPH oxidases. Free Radical Biology & Medicine 51(7), 1289-1301 (2011).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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