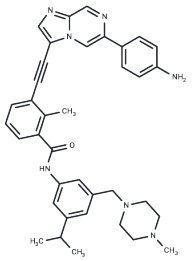
Data Sheet (Cat.No.T200291)

TargetMol

JND4135

Chemical Properties



CAS No. : 2366216-76-2

Formula: C37H39N7O

Molecular Weight: 597.75

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	JND4135, a type II TRK inhibitor, exhibits IC50 values targeting TRKA, TRKB, and TRKC at 2.79, 3.19, and 3.01 nM, respectively. It can overcome resistance due to TRKxDFG and other mutations in the BaF3 stable model, inhibiting the phosphorylation of TRKs WT, xDFG mutations, and their downstream signaling molecules. Additionally, JND4135 induces G0/G1 phase arrest and cell apoptosis (apoptosis) in BaF3-CD74-TRKA-G667C cells. This compound also demonstrates antitumor activity in a BaF3-CD74-TRKA-G667C mouse xenograft model by suppressing tumor growth.
Targets(IC50)	Apoptosis,Trk receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6729 mL	8.3647 mL	16.7294 mL
5 mM	0.3346 mL	1.6729 mL	3.3459 mL
10 mM	0.1673 mL	0.8365 mL	1.6729 mL
50 mM	0.0335 mL	0.1673 mL	0.3346 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

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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