

TRK-IN-30

Chemical Properties

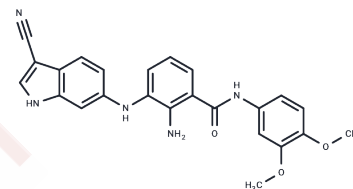
CAS No. :

Formula: C₂₄H₂₁N₅O₃

Molecular Weight: 427.455

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-30 (Compound C11) is an inhibitor of tropomyosin receptor kinases (TRK), effectively inhibiting TRKA, TRKB, TRKC, and the resistant mutant TRKAG595R, with IC ₅₀ values of 1.8, 0.98, 3.8, and 54 nM, respectively. It also suppresses the activation of downstream PI3K/AKT and MEK/ERK signaling pathways. TRK-IN-30 hinders colony formation and cell migration of Km-12, induces cell cycle arrest at the G ₀ /G ₁ phase, and triggers apoptosis in Km-12 cells.
Targets(IC ₅₀)	Apoptosis,ERK,PI3K,Trk receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3394 mL	11.697 mL	23.394 mL
5 mM	0.4679 mL	2.3394 mL	4.6788 mL
10 mM	0.2339 mL	1.1697 mL	2.3394 mL
50 mM	0.0468 mL	0.2339 mL	0.4679 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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