

Trk-IN-10

## Chemical Properties

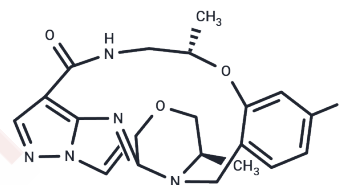
CAS No. : 2700265-61-6

Formula: C<sub>20</sub>H<sub>20</sub>FN<sub>5</sub>O<sub>3</sub>

Molecular Weight: 397.4

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-10 (Compound 14j) is a highly effective inhibitor of TRK, with an IC <sub>50</sub> of 0.86 nM against TrkA and 6.92 nM against TrkA G595R. As an RTK, Trk is a crucial drug target in solid tumors. Trk-IN-10 (IC <sub>50</sub> = 350 nM against ALK) demonstrates superior selectivity in inhibiting Trk, potentially reducing toxicity [1].
Targets(IC <sub>50</sub> )	Others,Trk receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5164 mL	12.5818 mL	25.1636 mL
5 mM	0.5033 mL	2.5164 mL	5.0327 mL
10 mM	0.2516 mL	1.2582 mL	2.5164 mL
50 mM	0.0503 mL	0.2516 mL	0.5033 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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