

## Pan-Trk-IN-3

## Chemical Properties

CAS No. :

Formula: C<sub>29</sub>H<sub>31</sub>ClN<sub>8</sub>O<sub>3</sub>

Molecular Weight: 575.06

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	Pan-Trk-IN-3 is a potent, broad-spectrum inhibitor of Trk and its drug-resistant mutants, acting on TrkA (IC <sub>50</sub> : 2 nM), TrkB (IC <sub>50</sub> : 3 nM), TrkC (IC <sub>50</sub> : 2 nM), TrkAG595R (IC <sub>50</sub> : 21 nM), TrkAG667C (IC <sub>50</sub> : 26 nM), TrkAG667S (IC <sub>50</sub> : 5 nM), TrkAF589L (IC <sub>50</sub> : 7 nM) and TrkCG623R (IC <sub>50</sub> : 6 nM), TrkAG667S (IC <sub>50</sub> : 5 nM), TrkAF589L (IC <sub>50</sub> : 7 nM) and TrkCG623R (IC <sub>50</sub> : 6 nM). Pan-Trk-IN-3 induces apoptosis and has significant anti-tumour effects.
Targets(IC <sub>50</sub> )	Apoptosis,Others,Trk receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7389 mL	8.6947 mL	17.3895 mL
5 mM	0.3478 mL	1.7389 mL	3.4779 mL
10 mM	0.1739 mL	0.8695 mL	1.7389 mL
50 mM	0.0348 mL	0.1739 mL	0.3478 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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