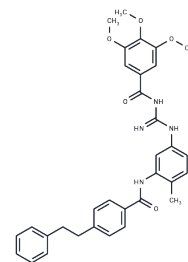


MRT-92

## Chemical Properties

CAS No. : 1428315-82-5  
 Formula: C33H34N4O5  
 Molecular Weight: 566.65  
 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	MRT-92 is an antagonist of Smoothed (Smo) with anti-cancer activity, featuring a binding affinity (Ki) of 0.7 nM. It inhibits the Hedgehog signaling pathway by obstructing the overlapping binding sites within the transmembrane domain of the Smoothed receptor and suppresses the proliferation of cerebellar granule cells in rodents (IC50=0.4 nM). MRT-92 is utilized for research into cerebellar gliomas.
Targets(IC50)	Hedgehog/Smoothed,Smo

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7648 mL	8.8238 mL	17.6476 mL
5 mM	0.353 mL	1.7648 mL	3.5295 mL
10 mM	0.1765 mL	0.8824 mL	1.7648 mL
50 mM	0.0353 mL	0.1765 mL	0.353 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481