

CH7057288

Chemical Properties

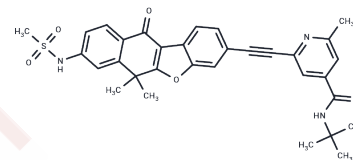
CAS No. : 2095616-82-1

Formula: C32H31N3O5S

Molecular Weight: 569.67

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	CH7057288 is an effective and selective TRK inhibitor with an IC50 value of 1.1 nM, 7.8 nM and 5.1 nM for TRKA, TRKB and TRKC, respectively.
Targets(IC50)	Trk receptor
In vitro	CH7057288, a potent and selective TRK inhibitor belonging to a novel chemical class. CH7057288 induced regression of intracranial tumors and greatly improved event-free survival in an intracranial implantation model mimicking brain metastasis.

Solubility Information

Solubility	DMSO: 34 mg/mL (59.68 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.51 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7554 mL	8.777 mL	17.554 mL
5 mM	0.3511 mL	1.7554 mL	3.5108 mL
10 mM	0.1755 mL	0.8777 mL	1.7554 mL
50 mM	0.0351 mL	0.1755 mL	0.3511 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.

Reference

Hiroshi Tanaka, Hitoshi Sase, Toshiyuki Tsukaguchi, et al. Abstract 4179: Potent and selective TRK inhibitor CH7057288[J].10.1158/1538-7445.AM2017-4179 Published July 2017

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481