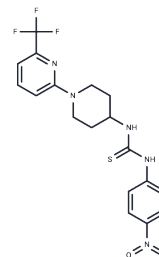


USP8-IN-3

## Chemical Properties

CAS No. : 2477651-10-6  
 Formula: C<sub>18</sub>H<sub>18</sub>F<sub>3</sub>N<sub>5</sub>O<sub>2</sub>S  
 Molecular Weight: 425.43  
 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	USP8-IN-3 is a potent inhibitor of the deubiquitinating enzymes USP7 and USP8, with IC <sub>50</sub> of 4.0 μM against USP8D. USP8-IN-3 inhibited the proliferation of GH3 and H1957 cells with GI <sub>50</sub> values of 37.03 μM and 6.01 μM, respectively. USP8-IN-3 is a potential compound for the treatment of cancer and viral infections.
Targets(IC <sub>50</sub> )	DUB
In vitro	SP8-IN-3 (Compd U51) is a deubiquitinase USP8 inhibitor with an IC <sub>50</sub> value of 4.0 μM. USP8-IN-3 also inhibits the proliferation of GH3 and H1957 cells with GI <sub>50</sub> s of 37.03 μM and 6.01 μM, respectively.[1]

## Solubility Information

Solubility	DMSO: 25 mg/mL (58.76 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3506 mL	11.7528 mL	23.5056 mL
5 mM	0.4701 mL	2.3506 mL	4.7011 mL
10 mM	0.2351 mL	1.1753 mL	2.3506 mL
50 mM	0.047 mL	0.2351 mL	0.4701 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

Li zhiyun, et al. Preparing method and application of USP8 inhibitor: China, CN111138358 A. 2020-05-12

**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