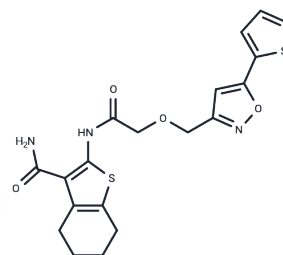


## STD1T

## Chemical Properties

CAS No. :	893075-58-6
Formula:	C <sub>19</sub> H <sub>19</sub> N <sub>3</sub> O <sub>4</sub> S <sub>2</sub>
Molecular Weight:	417.5
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	STD1T is a selective and potent inhibitor of the deubiquitinase USP2a with potential anticancer activity that reduces cell cycle protein D1 protein levels in HCT116 colon and MCF-7 breast cancer cells.
Targets(IC50)	DUB
In vitro	STD1T inhibits the enzymatic activity of USP2a in a concentration-dependent manner. It exhibits selective inhibition of USP2a compared to USP7 at concentrations of 10 μM and 2000 μM, respectively[1].

## Solubility Information

Solubility	DMSO: 50 mg/mL (119.76 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3952 mL	11.976 mL	23.9521 mL
5 mM	0.479 mL	2.3952 mL	4.7904 mL
10 mM	0.2395 mL	1.1976 mL	2.3952 mL
50 mM	0.0479 mL	0.2395 mL	0.479 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

Marcin D Tomala, et al. Identification of small-molecule inhibitors of USP2a. Eur J Med Chem. 2018 Apr 25;150:261-267.

**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