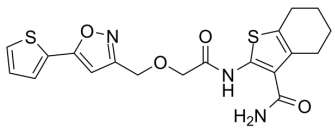
STD1T

Cat. No.:	HY-124855
CAS No.:	893075-58-6
Molecular Formula:	$C_{19}H_{19}N_3O_4S_2$
Molecular Weight:	417.5
Target:	Deubiquitinase
Pathway:	Cell Cycle/DNA Damage
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 62.5 mg/mL (149.70 mM; Need ultrasonic)

Preparing Stock Solutions	Concentration / Solvent / Mass	1 mg	5 mg	10 mg
	1 mM	2.3952 mL	11.9760 mL	23.9521 mL
	5 mM	0.4790 mL	2.3952 mL	4.7904 mL
	10 mM	0.2395 mL	1.1976 mL	2.3952 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

STD1T is a deubiquitinase USP2a inhibitor with an IC_{50} of 3.3 μM in Ub-AMC Assay[1].

In Vitro

STD1T inhibits USP2a enzymatic activity in a concentration dependent manner. STD1T shows selective inhibition of USP2a vs. USP7 at the concentrations of 10 μM and 2000 μM, respectively[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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