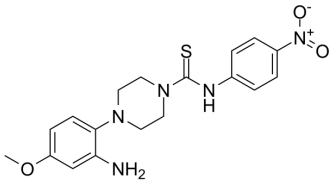
USP8-IN-1

Cat. No.:	HY-147032
CAS No.:	2477650-96-5
Molecular Formula:	$C_{18}H_{21}N_5O_3S$
Molecular Weight:	387.46
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 : 125 mg/mL (322.61 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.5809 mL	12.9046 mL	25.8091 mL
5 mM	0.5162 mL	2.5809 mL	5.1618 mL
10 mM	0.2581 mL	1.2905 mL	2.5809 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (5.37 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

USP8-IN-1 is a USP8 inhibitor with an IC_{50} of 1.9 μM. USP8-IN-1 inhibits H1975 cell growth with a GI_{50} of 82.04 μM (CN111138358A; U10)[1].

IC_{50} & Target

IC50: 1.9 μM (USP8)[1]

REFERENCES

[1]. Zhiyu Li, et al. USP8 inhibitor and preparation method and application thereof. CN111138358A.

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

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