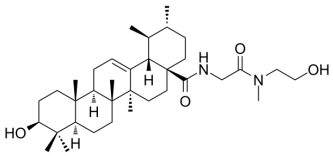
SENP1-IN-1

Cat. No.:	HY-134594
CAS No.:	2416910-69-3
Molecular Formula:	$C_{35}H_{58}N_2O_4$
Molecular Weight:	570.85
Target:	E1/E2/E3 Enzyme
Pathway:	Metabolic Enzyme/Protease
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 : 100 mg/mL (175.18 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7518 mL	8.7589 mL	17.5177 mL
	5 mM	0.3504 mL	1.7518 mL	3.5035 mL
	10 mM	0.1752 mL	0.8759 mL	1.7518 mL

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

BIOLOGICAL ACTIVITY

Description

SENP1-IN-1 is a specific deSUMOylation protease 1 (SENP1) inhibitor extracted from patent CN110627860, Compound 29. SENP1-IN-1 is developed for tumor radiosensitivity enhancement[1].

IC_{50} & Target

SENP1[1]

In Vitro

SENP1-IN-1 may improve the sensitivity of tumor cells to irradiation[1].

SENP1-IN-1 (0.7-20 μM; 72 hours)has cytotoxic for Hella cells with an IC_{50} of >20μM[1].

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

Cell Cytotoxicity Assay[1]

Cell Line:	Hela cells
Concentration:	0.7 μM, 2.2 μM, 6.6 μM, 20 μM
Incubation Time:	72 hours

Result:	IC_{50}>20 μM

REFERENCES

[1]. Li, Yiliang, et al. Preparation of ursolic acid derivatives useful as SENP1 inhibitors and tumor radiosensitizer. CN110627860A.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA