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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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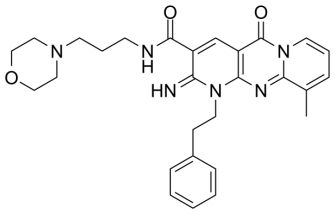
SPOP-IN-6b

Cat. No.:	HY-122615
CAS No.:	2136270-20-5
Molecular Formula:	$C_{28}H_{32}N_6O_3$
Molecular Weight:	500.59
Target:	Others
Pathway:	Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (19.98 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.9976 mL	9.9882 mL	19.9764 mL
	5 mM	0.3995 mL	1.9976 mL	3.9953 mL
	10 mM	0.1998 mL	0.9988 mL	1.9976 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: ≥ 1 mg/mL (2.00 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 1 mg/mL (2.00 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

SPOP-IN-6b is a speckle-type POZ protein (SPOP) inhibitor with an IC_{50} of 3.58 μM (patent CN 107141287, SPOP-B-88)[1].

IC_{50} & Target

SPOP[1]

In Vitro

SPOP-IN-6b shows IC_{50}s of 2-10.2 μM for A498, Caki-2, Ketr-3, 769-P, 0S-RC-2, and 786-0 cells[1].
SPOP-IN-6b (0.1-3.0 μM; 10 hours) can suppress SPOP activity, and then increase suppression cancer substrate protein PTEN and DUSP7 content[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

SPOP-IN-6b (40-80 mg/kg; i.p.; daily; for 25 days) can slow down the growth of tumour by suppressing SPOP[1].

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

Animal Model:	Nude mice[1]
Dosage:	40 mg/kg, 60 mg/kg, 80 mg/kg
Administration:	Intraperitoneal injection; daily; for 25 days
Result:	Slowed down the growth of tumour by suppressing SPOP.

CUSTOMER VALIDATION

- Mol Cell. 2020 Nov 19;80(4):633-647.e7.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Guangcai Y, et al. The pyrido-pyrimidines of 2- imines -5- ketone group -2,5- dihydros -1-H- two. CN107141287A.

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