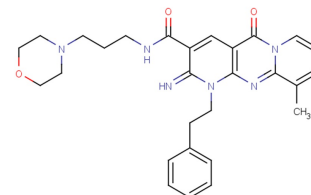


SPOP-IN-6b

Chemical Properties

CAS No.:	2136270-20-5
Formula:	C28H32N6O3
Molecular Weight:	500.59
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	SPOP-IN-6b is a speckle-type POZ protein inhibitor.
Targets(IC ₅₀)	SPOP: None
In vitro	SPOP-IN-6b inhibits intracellular SPOP acted on substrate PTEN ubiquitination. SPOP-IN-6b an SPOP inhibitor (IC ₅₀ : 3.58 μ M in cell assay). SPOP-IN-6b (0.1-3.0 μ M; 10 hours) can suppress SPOP activity, and then increase suppression of cancer substrate protein PTEN and DUSP7 content [1].
In vivo	SPOP-IN-6b (40-80 mg/kg; i.p.; daily; for 25 days) can slow down the growth of the tumour by inhibiting SPOP [1].

Solubility Information

Solubility	DMSO: 10 mg/mL (19.98 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.998 mL	9.988 mL	19.976 mL
5 mM	0.4 mL	1.998 mL	3.995 mL
10 mM	0.2 mL	0.999 mL	1.998 mL
50 mM	0.04 mL	0.2 mL	0.4 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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