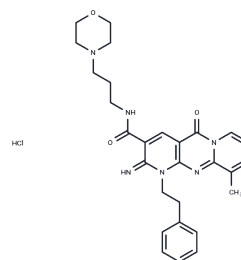


SPOP-IN-6b hydrochloride

Chemical Properties

CAS No. :	2136270-68-1
Formula:	C ₂₈ H ₃₃ ClN ₆ O ₃
Molecular Weight:	537.06
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	SPOP-IN-6b hydrochloride is a highly effective inhibitor of speckle-type POZ protein (SPOP), with an IC ₅₀ value of 3.58 μM.
Targets(IC ₅₀)	Others,E1/E2/E3 Enzyme
In vitro	SPOP-IN-6b demonstrates inhibitory concentration (IC) values ranging from 2 to 10.2 μM against A498, Caki-2, Ketr-3, 769-P, OS-RC-2, and 786-0 cells[1]. At concentrations between 0.1 and 3.0 μM over a duration of 10 hours, SPOP-IN-6b can inhibit SPOP activity, leading to enhanced levels of the cancer-suppressive proteins PTEN and DUSP7 [1].
In vivo	SPOP-IN-6b, administered through intraperitoneal injection at dosages between 40-80 mg/kg daily for 25 days in nude mice, effectively inhibits tumor growth by suppressing SPOP[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.862 mL	9.3099 mL	18.6199 mL
5 mM	0.3724 mL	1.862 mL	3.724 mL
10 mM	0.1862 mL	0.931 mL	1.862 mL
50 mM	0.0372 mL	0.1862 mL	0.3724 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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