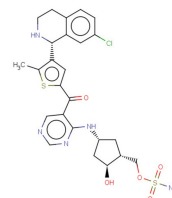


TAK-981

Chemical Properties

CAS No.:	1858276-04-6
Formula:	C ₂₅ H ₂₈ ClN ₅ O ₅ S ₂
Molecular Weight:	578.1
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	TAK-981 is a selective the SUMOylation enzymatic cascade inhibitor, has potential immune-activating and antineoplastic activities.
Targets(IC ₅₀)	SUMOylation: None
In vitro	TAK-981 is able to increase the production of type 1 IFN, thereby increasing type 1 IFN-mediated signaling, TAK-981 activating innate effector cells and enhancing the antitumor innate immune responses[1].
In vivo	TAK-981(A single sub-cutaneous injection) in naive Balb/c mice at the brachial lymph nodes induces activation of DCs[2].

Solubility Information

Solubility	DMSO: 75 mg/mL (129.74 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.730 mL	8.649 mL	17.298 mL
5 mM	0.346 mL	1.730 mL	3.460 mL
10 mM	0.173 mL	0.865 mL	1.730 mL
50 mM	0.035 mL	0.173 mL	0.346 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

1. Sumoylation inhibitor TAK-981.
2. TAK-981.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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