

NVS-CECR2-1

Chemical Properties

CAS No. : 1992047-61-6

Formula: C₂₇H₃₇N₅O₂S

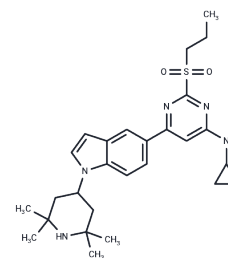
Molecular Weight: 495.68

Keep away from direct sunlight, Store at low temperature

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	NVS-CECR2-1 is a selective cat eye syndrome chromosome region candidate 2 (CECR2) inhibitor with antitumor activity and inhibits chromatin binding of CECR2 BRD. NVS-CECR2-1 is cytotoxic and can induce apoptosis.
Targets(IC50)	Apoptosis, Epigenetic Reader Domain, CDK
In vitro	The cells were treated with increasing concentrations of NVS-CECR2-1 up to 4 μM and their clonogenic ability was evaluated after ten days by colony formation assay. NVS-CECR2-1 inhibited the clonogenic ability of SW48 cells in a dose dependent manner and its IC50 value was estimated to be 0.64 μM. [1]

Solubility Information

Solubility	DMSO: 50 mg/mL (100.87 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (5.04 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0174 mL	10.0872 mL	20.1743 mL
5 mM	0.4035 mL	2.0174 mL	4.0349 mL
10 mM	0.2017 mL	1.0087 mL	2.0174 mL
50 mM	0.0403 mL	0.2017 mL	0.4035 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

Park SG, et al. Cytotoxic activity of bromodomain inhibitor NVS-CECR2-1 on human cancer cells. Sci Rep. 2020 Oct 1;10(1):16330.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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