

NVS-ZP7-4

Chemical Properties

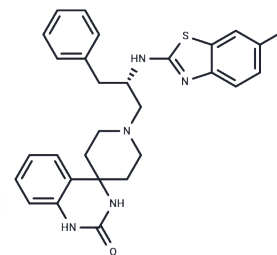
CAS No. : 2349367-89-9

Formula: C₂₈H₂₈FN₅O₅

Molecular Weight: 501.62

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-ZP7-4 is a inhibitor of Zinc transporter SLC39A7 (ZIP7).
Targets(IC50)	Others,Ferroptosis
In vitro	NVS-ZP7-4 elevates ER zinc levels and indicates functional modulation of ZIP7 [1].

Solubility Information

Solubility	DMSO: 120 mg/mL (239.22 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (7.97 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	1.9935 mL	9.9677 mL	19.9354 mL
5 mM	0.3987 mL	1.9935 mL	3.9871 mL
10 mM	0.1994 mL	0.9968 mL	1.9935 mL
50 mM	0.0399 mL	0.1994 mL	0.3987 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

Nolin E, et al. Discovery of a ZIP7 inhibitor from a Notch pathway screen. Nat Chem Biol. 2019 Feb;15(2):179-188.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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