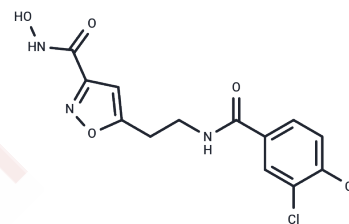


SS-208

Chemical Properties

CAS No. : 2245942-72-5
 Formula: C₁₃H₁₁Cl₂N₃O₄
 Molecular Weight: 344.15
 Storage: Powder: -20°C for 3 years
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	SS-208 is a selective inhibitor of HDAC6 (IC ₅₀ = 12 nM) with anti-tumor activity. SS-208 shows selectivity over other HDAC subtypes.
Targets(IC ₅₀)	HDAC
In vivo	In C57BL/6 mice injected immunogenic murine SM1 melanoma cells, SS-208 (25 mg/kg; i.p.) causes a significant reduction of the tumor growth[1].

Solubility Information

Solubility	DMSO: 140 mg/mL (406.8 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 (11.62 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	2.9057 mL	14.5285 mL	29.0571 mL
5 mM	0.5811 mL	2.9057 mL	5.8114 mL
10 mM	0.2906 mL	1.4529 mL	2.9057 mL
50 mM	0.0581 mL	0.2906 mL	0.5811 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

Shen S, et al. Discovery of a New Isoxazole-3-hydroxamate-Based Histone Deacetylase 6 Inhibitor SS-208 with Antitumor Activity in Syngeneic Melanoma Mouse Models. J Med Chem. 2019 Sep 4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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