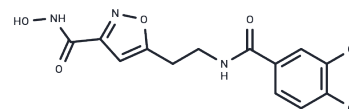


SS-208

Chemical Properties

CAS No. : 2245942-72-5
Formula: C₁₃H₁₁Cl₂N₃O₄
Molecular Weight: 344.15
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



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: 100 mg/mL (290.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

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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