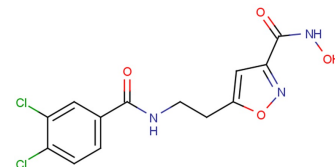


SS-208

Chemical Properties

CAS No.: 2245942-72-5
Formula: C₁₃H₁₁Cl₂N₃O₄
Molecular Weight: 344.15
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	SS-208 is a selective HDAC6 inhibitor (IC ₅₀ : 12 nM). SS-208 has anti-tumor activity in melanoma.
Targets(IC ₅₀)	HDAC6: 12 nM HDAC8: 1.23 μM HDAC1: 1.39 μM HDAC11: 5.12 μM HDAC5: 6.91 μM HDAC7: 8.34 μM
In vivo	SS-208 (25 mg/kg, ip) obviously decreases the tumor growth in melanoma murine model [1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.906 mL	14.529 mL	29.057 mL
5 mM	0.581 mL	2.906 mL	5.811 mL
10 mM	0.291 mL	1.453 mL	2.906 mL
50 mM	0.058 mL	0.291 mL	0.581 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. 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.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481