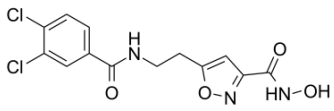
SS-208

Cat. No.:	HY-126330
CAS No.:	2245942-72-5
Molecular Formula:	$C_{13}H_{11}Cl_2N_3O_4$
Molecular Weight:	344.15
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	SS-208 is a selective **HDAC6** inhibitor, with an **IC_{50}** of 12 nM. SS-208 possesses anti-tumor activity in melanoma[1].			
IC_{50} & Target	HDAC6 12 nM (IC_{50})	HDAC8 1.23 μM (IC_{50})	HDAC1 1.39 μM (IC_{50})	HDAC11 5.12 μM (IC_{50})
	HDAC5 6.91 μM (IC_{50})	HDAC7 8.34 μM (IC_{50})		

In Vivo

SS-208 (25 mg/kg, ip) significantly reduces the tumor growth in melanoma murine model[1].

Animal Model:	C57BL/6 mice injected immunogenic murine SM1 melanoma cells subcutaneously[1].
Dosage:	25 mg/kg.
Administration:	IP on day 4, 7, 12, 15 and 18.
Result:	Significantly reduced the tumor growth.

REFERENCES

[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.

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