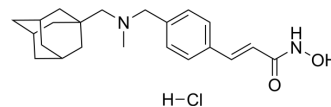


Martinostat hydrochloride

Cat. No.:	HY-160092A
Molecular Formula:	C ₂₂ H ₃₁ ClN ₂ O ₂
Molecular Weight:	390.95
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (319.73 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5579 mL	12.7894 mL	25.5787 mL
	5 mM	0.5116 mL	2.5579 mL	5.1157 mL
	10 mM	0.2558 mL	1.2789 mL	2.5579 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Martinostat (hydrochloride) is an inhibitor of HDAC that can be labeled with radionuclides for diagnostic applications^{[1][2]}.

REFERENCES

[1]. Changning Wang, et al. In Vivo Imaging of Histone Deacetylases (HDACs) in the Central Nervous System and Major Peripheral Organs. J Med Chem. 2014 Oct 9;57(19):7999-8009.

[2]. Tharick A Pascoal, et al. [11C]Martinostat PET analysis reveals reduced HDAC I availability in Alzheimer's disease. Nat Commun. 2022 Jul 19;13(1):4171.

Caution: Product has not been fully validated for medical applications. For research use only.

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