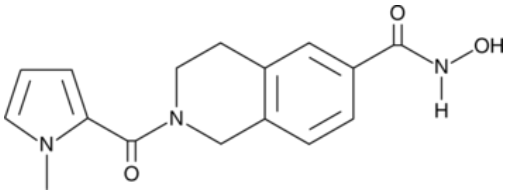
Product Data Sheet

Product Name: HDAC6 Inhibitor
Cat. No.: GC41085

Chemical Properties

Cas. No.	1259296-46-2		
SMILES	O=C(NO)C1=CC(CCN(C(C2=CC=CN2C)=O)C3)=C3C=C1		
Formula	C16H17N3O3	M.Wt	299.3
Solubility	DMF: 30 mg/ml,DMSO: 30 mg/ml,Ethanol: 30 mg/ml	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

HDAC6 is a predominantly cytoplasmic enzyme that targets α-tubulin, cortactin, and heat shock protein 90, as well as other substrates. In this way, it impacts development, proliferation, invasion, and tumorigenesis. HDAC6 Inhibitor is a potent and selective inhibitor of HDAC6 (IC50 = 36 nM) that poorly blocks other HDAC enzymes. It is cell permeable, inhibiting the acetylation of tubulin in cells with an IC50 value of 210 nM.

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