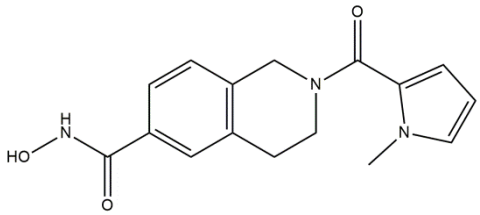
MPI-5a

07/19

ALTERNATE NAMES: HDAC6 inhibitor; N-hydroxy-2-(1-methylpyrrole-2-carbonyl)-3,4-dihydro-1H-isoquinoline-6-carboxamide; N-hydroxy-2-(1-methyl-1H-pyrrole-2-carbonyl)-1,2,3,4-tetrahydroisoquinoline-6-carboxamide

CATALOG #:
B2833-500 500 µg
B2833-1000 1000 µg

STRUCTURE:



MOLECULAR FORMULA: $C_{16}H_{17}N_3O_3$

MOLECULAR WEIGHT: 299.32

CAS NUMBER: 1259296-46-2

FORMULATION: A solution in acetonitrile

PURITY: ≥95%

SOLUBILITY: ~30 mg/ml in ethanol, DMSO and DMF

DESCRIPTION: MPI-5a is a potent and selective inhibitor of Histone Deacetylase 6 (HDAC6) with an IC_{50} of 36 nM. It inhibits the acetylation of tubulin in cells with an IC_{50} of 210 nM.

STORAGE TEMPERATURE: -20ºC

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCE: Blackburn, C., Barrett, C., Chin, J., et al. Potent histone deacetylase inhibitors derived from 4-(aminomethyl)-N-hydroxybenzamide with high selectivity for the HDAC6 isoform. Journal of Medicinal Chemistry 56(18), 7201-7211 (2013)

RELATED PRODUCTS:

SAHA (Cat. No. 1604)
5-Nitroso-8-quinolinol (Cat. No. B2825)
HNHA (Cat. No. B2821)
Coumarin-SAHA (Cat. No. B2805)
4-Iodo-SAHA (Cat. No. B2800)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***