

Product Name : ACY-775

Synonyms : ACY 775;ACY775

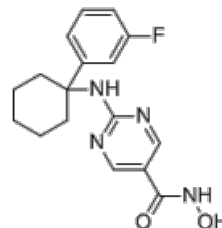
Cat No. : M11553

CAS Number : 1375466-18-4

Molecular Formula : C₁₇H₁₉FN₄O₂

Formula Weight : 330.36

Chemical Name : 2-((1-(3-fluorophenyl)cyclohexyl)amino)-N-hydroxypyrimidine-5-carboxamide



Description : ACY-775 (ACY775) is a potent and specific HDAC6 inhibitor (IC₅₀=7.5 nM) with improved brain bioavailability; 60-1500 fold selectivity over class I HDACs; no activity against all other class II HDAC isoforms (IC₅₀>1μM); induce dramatic increases in α-tubulin acetylation in brain and stimulate mouse exploratory behaviors; increases the innervation of the neuromuscular junctions in the gastrocnemius muscle and improves the motor and sensory nerve conduction in the mutant HSPB1-induced CMT2 mouse model.

Pathway : Cell Cycle/DNA Damage

Target : HDAC

Receptor : HDAC

Solubility : DMSO : 100 mg/mL 302.70 mM

SMILES : O=C(C1=CN=C(NC2(C3=CC=CC(F)=C3)CCCCC2)N=C1)NO

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Jochens J, et al. Neuropsychopharmacology. 2014 Jan;39(2):389-400. 2. Benoy V, et al. Neurotherapeutics. 2017 Apr;14(2):417-428.