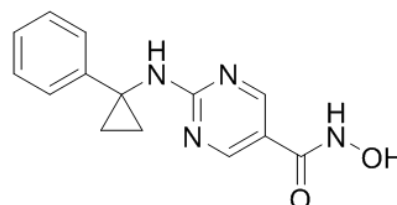


Product Name : ACY-738
Cat. No. : PC-45609
CAS No. : 1375465-91-0
Molecular Formula : C₁₄H₁₄N₄O₂
Molecular Weight : 270.2866
Target : HDAC
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

ACY-738 (ACY738) is a potent and specific **HDAC6** inhibitor (IC₅₀=1.7 nM) with improved brain bioavailability. ACY-738 displays 60-1500 fold selectivity over class I HDACs. ACY-738 induces dramatic increase in α-tubulin acetylation in brain and stimulates mouse exploratory behaviors. ACY-738 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.

References

- Jochems J, et al. *Neuropsychopharmacology*. 2014 Jan;39(2):389-400.
Regna NL, et al. *Clin Immunol*. 2016 Jan;162:58-73.
Benoy V, et al. *Neurotherapeutics*. 2017 Apr;14(2):417-428.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com