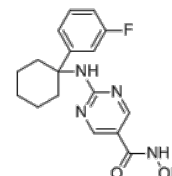


Product Name : ACY-775
Cat. No. : PC-70106
CAS No. : 1375466-18-4
Molecular Formula : C₁₇H₁₉FN₄O₂
Molecular Weight : 330.36
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

ACY-775 (ACY775) is a potent and specific **HDAC6** inhibitor (IC₅₀=7.5 nM) with improved brain bioavailability.

ACY-775 displays 60-1500 fold selectivity over class I HDACs, no activity against all other class II HDAC isoforms (IC₅₀>1 uM).

ACY-775 induces dramatic increases in α -tubulin acetylation in brain and stimulate mouse exploratory behaviors.

ACY-775 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.

Benoy V, et al. *Neurotherapeutics*. 2017 Apr;14(2):417-428.

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

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