For Research Use Only ACY-775



Catalog Number: CM04392

| 产品信息 | Catalog Number: 分子量: CM04392 330.36 CAS号: 溶解度: 1375466-18-4 DMSO:100 mg/mL (302.70 mM) 分子式: C177H19FN4O2 主要觀点: HDAC 主要通路: 表观遗传IDNA 损伤和修复 | OH HN N N F |
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| 靶点活性 | HDAC1:2123 nM HDAC6:7.5 nM | |
| 体外活性 | Upon treatment with ACY-775, a clear enhancement of the acetylation of a -tubulin is visible, while remains unaltered. Acetylation of a -tubulin is visualized by immunofluorescence and the intensity neurons is quantified and normalized to the length of the fluorescent signal. In vehicle-treated DRG r tubulin is already present. Upon treatment with ACY-775, the signal intensity of acetylated a -tubuli A significant increase in motility of mitochondria and also the total number of mitochondria within t compared with vehicle-treated DRG neurons. A significantly higher number of retrogradely transport in DRG neurons treated with ACY-775 compared with vehicle-treated DRG neurons treated with ACY-775 compared with vehicle-treated cells [1]. | in the neurites of the neurons, acetylated α - n increases significantly. he neurites are observed |
| 体内活性 | Biodistribution profiles of ACY-775 are examined after acute dosing at 5 or 50?mg/kg over 2?h. At t= mg/kg injection, respective plasma levels of ACY-775 is 1359?ng/mL (4.1? μ M). Elimination from th plasmatic half-life of 12?min and a concentration below 10?ng/mL after 2?h. When ACY-775 (50?mg, repeatedly in wild-type mice at 24?h, 4?h, and 30?min before killing, significant increases in α -tubu observed in all tested brain regions [2]. | e plasma is rapid, with a /kg) is administered |
| 动物实验 | Mice are tested for immobility in the TST. At 30?min or 2?h after i.p. injection of ACY-73 775 (5, 50?mg/kg), and citalopram (0.5, 2, 20?mg/kg), a combination of the previous, or v attached to the test rig and time immobile over 6?min is recorded. For open-field activ with ACY-738 or ACY-775 at 5, 10, or 50?mg/kg or vehicle and allowed to explore [2]. | 8 (5, 50?mg/kg), ACY- rehicle, mice are ity, mice are injected |
| 细胞实验 | Undifferentiated RN46A-B14 cells are grown. They are treated with 2.5? µ M ACY-738, A 0.6? µ M TSA or vehicle (0.1% DMSO) for 4?h. Samples are processed using a histone ext quantified using protein assay[2]. | CY-775, tubastatin A, raction kit and |
| 储存 | Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice. | |
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