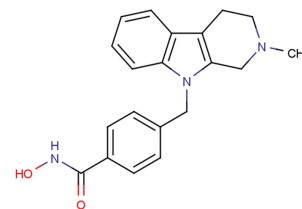


HDAC-IN-4

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 1252003-13-6 |
| Formula: | C ₂₀ H ₂₁ N ₃ O ₂ |
| Molecular Weight: | 335.4 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



Biological Description

| | |
|----------------------------|--|
| Description | HDAC-IN-4 is a selective HDAC6 and HDAC10 inhibitor (pIC ₅₀ s: 7.2 and 6.8 in BRET assay) with antitumoral activity. |
| Targets(IC ₅₀) | HDAC6: 7.2(pIC ₅₀) |
| In vitro | HDAC-IN-4 is more potent against HDAC6 than Tubastatin A. HDAC-IN-4 inhibits HDAC1, HDAC2, HDAC3, HDAC8, and HDAC10 with pIC ₅₀ s of 5.5, 4.6, 5.4, 5.4, 6.7 in FRET assay, respectively. |

Solubility Information

| | |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 2.982 mL | 14.908 mL | 29.815 mL |
| 5 mM | 0.596 mL | 2.982 mL | 5.963 mL |
| 10 mM | 0.298 mL | 1.491 mL | 2.982 mL |
| 50 mM | 0.06 mL | 0.298 mL | 0.596 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Géraldy M, et al. Selective Inhibition of Histone Deacetylase 10: Hydrogen Bonding to the Gatekeeper Residue is Implicated. J Med Chem. 2019 May 9;62(9):4426-4443.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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