

Fibrostat

Chemical Properties

CAS No. :

Formula: C29H32N4O3

Molecular Weight: 484.59

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

| | |
|---------------|---|
| Description | Fibrostat (Compound 5n) is a selective HDAC6 inhibitor that exerts antifibrotic effects by hindering HDAC6 activity, with an IC50 value of 63 nM for HDAC6. It exhibits superior selectivity over HDAC1, HDAC3, HDAC5, HDAC8, HDAC10, and HDAC11. Fibrostat effectively reduces the expression of fibrosis markers, fibronectin and collagen 1, in fibroblasts. It shows no toxicity in rat perfused heart and zebrafish larvae studies. Fibrostat holds promise for research on fibrosis-related diseases. |
| Targets(IC50) | HDAC |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 2.0636 mL | 10.318 mL | 20.636 mL |
| 5 mM | 0.4127 mL | 2.0636 mL | 4.1272 mL |
| 10 mM | 0.2064 mL | 1.0318 mL | 2.0636 mL |
| 50 mM | 0.0413 mL | 0.2064 mL | 0.4127 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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