

## HDAC-IN-62

## Chemical Properties

CAS No. :

Formula: C15H14N2O3S

Molecular Weight: 302.35

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   | HDAC-IN-62 (Compound 5), an HDAC inhibitor, exhibits IC50 values of 0.78, 1.0, and 1.2 $\mu$ M for HDAC6, HDAC8, and HDAC11, respectively. This compound suppresses microglial activation via autophagy induction and reduces nitric oxide production, demonstrating anti-inflammatory and antidepressant properties. Additionally, HDAC-IN-62 has been shown to inhibit microglial activation in mouse brains [1]. |
| Targets(IC50) | HDAC, Autophagy   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.3074 mL | 16.5371 mL | 33.0743 mL |
| 5 mM  | 0.6615 mL | 3.3074 mL  | 6.6149 mL  |
| 10 mM | 0.3307 mL | 1.6537 mL  | 3.3074 mL  |
| 50 mM | 0.0661 mL | 0.3307 mL  | 0.6615 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

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