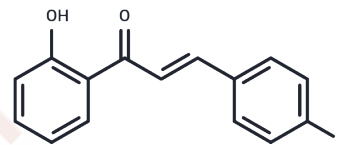


MAO-B-IN-19

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 152897-41-1 |
| Formula: | C ₁₅ H ₁₁ FO ₂ |
| Molecular Weight: | 242.25 |
| 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 | MAO-B-IN-19, a selective MAO-B inhibitor, exhibits neuroprotective and anti-inflammatory properties and demonstrates an IC ₅₀ value of 0.67 μM [1]. |
| Targets(IC ₅₀) | Monoamine Oxidase |
| In vitro | MAO-B-IN-19 (Compound 3f) significantly inhibits self-induced Aβ 1-42 aggregation and exhibits substantial neuroprotective effects against Aβ ₂₅₋₃₅ -induced damage in PC12 cells. It acts as a selective metal chelator that can inhibit Cu ²⁺ -induced Aβ 1-42 aggregation [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.128 mL | 20.6398 mL | 41.2797 mL |
| 5 mM | 0.8256 mL | 4.128 mL | 8.2559 mL |
| 10 mM | 0.4128 mL | 2.064 mL | 4.128 mL |
| 50 mM | 0.0826 mL | 0.4128 mL | 0.8256 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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