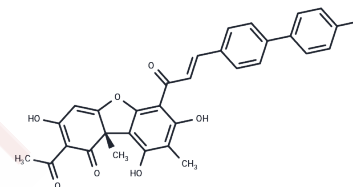


4-FPBUA

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 2089636-93-9 |
| Formula: | C31H23FO7 |
| Molecular Weight: | 526.51 |
| 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 | 4-FPBUA, a semi-synthetic analog of lichen acid, enhances the functionality of cell-based blood-brain barriers (BBB) and increases the transport of β -amyloid ($A\beta$) in monolayer cells. Additionally, it acts as an inhibitor of mTOR, enhancing cellular autophagy (Autophagy) which can reverse BBB disruption in vivo, making it relevant for research in Alzheimer's disease. |
| Targets(IC50) | Autophagy,mTOR |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 1.8993 mL | 9.4965 mL | 18.993 mL |
| 5 mM | 0.3799 mL | 1.8993 mL | 3.7986 mL |
| 10 mM | 0.1899 mL | 0.9496 mL | 1.8993 mL |
| 50 mM | 0.038 mL | 0.1899 mL | 0.3799 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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