

ATG16L1 stabilizer-1

Chemical Properties

CAS No. :

Formula: C45H62N14O5S

Molecular Weight: 911.13

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 | ATG16L1 stabilizer-1 (compound A3B) is an FKBP12-independent stabilizer of ATG16L1 that enhances cellular autophagy (Autophagy). Regardless of the presence of FKBP12, it has an inhibitory EC50 value of 12.1 μ M for ATG16L1. When used alone, ATG16L1 stabilizer-1 can induce GFP-LC3 puncta formation, with an EC50 value of 12.0 μ M. |
| Targets(IC50) | Autophagy |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.0975 mL | 5.4877 mL | 10.9754 mL |
| 5 mM | 0.2195 mL | 1.0975 mL | 2.1951 mL |
| 10 mM | 0.1098 mL | 0.5488 mL | 1.0975 mL |
| 50 mM | 0.022 mL | 0.1098 mL | 0.2195 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.

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