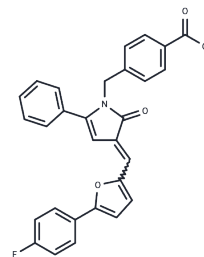


4E1rcat 27d

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 890232-43-6 |
| Formula: | C ₂₉ H ₂₀ FNO ₄ |
| Molecular Weight: | 465.47 |
| Storage: | Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|--|
| Description | 4E1rcat 27d (Compound 27d) contains a core structure of (E)-3-(2-furanylmethylene)-2-pyrrolidinone. Its analog 4E1rcat blocks the interactions between ATG5-ATG16L1 and ATG5-TECAIR in in vitro binding assays, with IC ₅₀ values of 1.1 μM and 1.7 μM, respectively. |
| Targets(IC50) | ATG |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1484 mL | 10.7418 mL | 21.4837 mL |
| 5 mM | 0.4297 mL | 2.1484 mL | 4.2967 mL |
| 10 mM | 0.2148 mL | 1.0742 mL | 2.1484 mL |
| 50 mM | 0.043 mL | 0.2148 mL | 0.4297 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.

Reference

Xiang H, et al. Discovery of Small-Molecule Autophagy Inhibitors by Disrupting the Protein-Protein Interactions Involving Autophagy-Related 5. J Med Chem. 2023 Feb 23;66(4):2457-2476.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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