

4E1rcat analogue 1

Chemical Properties

CAS No. :

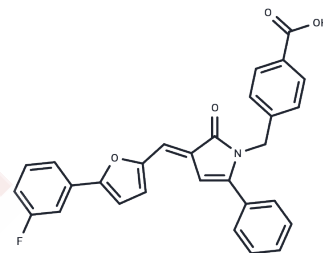
Formula: C₂₉H₂₀FNO₄

Molecular Weight: 465.47

Store at low temperature

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	4E1rcat analogue 1 has a core structure of (E)-3-(2-furanmethylethyl)-2-pyrrolidone, and its analog 4E1rcat blocked 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(IC ₅₀)	Others

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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