

## 4E1rcat analogue 3

## Chemical Properties

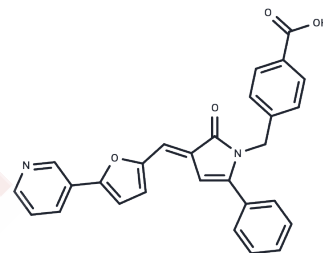
CAS No. :

Formula: C<sub>28</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub>

Molecular Weight: 448.47

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 3 has a (E)-3-(2-furanylmethylene)-2-pyrrolidinone core structure, and its analog 4E1rcat blocks the interactions between ATG5-ATG16L1 and ATG5-TECAIR in in vitro binding assays with IC <sub>50</sub> values of 1.1 μM and 1.7 μM, respectively.
Targets(IC <sub>50</sub> )	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2298 mL	11.149 mL	22.298 mL
5 mM	0.446 mL	2.2298 mL	4.4596 mL
10 mM	0.223 mL	1.1149 mL	2.2298 mL
50 mM	0.0446 mL	0.223 mL	0.446 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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