

## 4E1rcat analogue 9

## Chemical Properties

CAS No. :

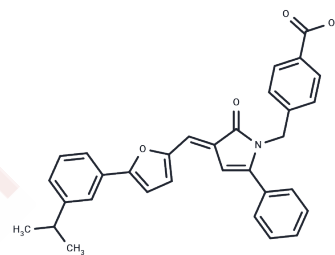
Formula: C<sub>32</sub>H<sub>27</sub>N<sub>3</sub>O<sub>4</sub>

Molecular Weight: 489.56

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 9 has an (E)-3-(2-furylmethylene)-2-pyrrolidone core structure. 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	2.0427 mL	10.2133 mL	20.4265 mL
5 mM	0.4085 mL	2.0427 mL	4.0853 mL
10 mM	0.2043 mL	1.0213 mL	2.0427 mL
50 mM	0.0409 mL	0.2043 mL	0.4085 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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