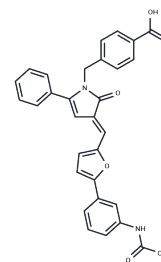


4E1rcat 17d

Chemical Properties

CAS No. :	2841473-92-3
Formula:	C ₃₁ H ₂₄ N ₂ O ₅
Molecular Weight:	504.53
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 17d features a core structure of (E)-3-(2-furanmethylmethylene)-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	1.982 mL	9.9102 mL	19.8204 mL
5 mM	0.3964 mL	1.982 mL	3.9641 mL
10 mM	0.1982 mL	0.991 mL	1.982 mL
50 mM	0.0396 mL	0.1982 mL	0.3964 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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