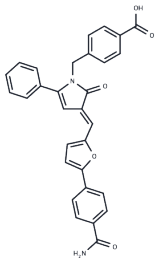
Data Sheet (Cat.No.TYD-04686)

TargetMol

ATG5-PPI Inhibitor 17e

Chemical Properties



CAS No. : 2841473-93-4

Formula: C30H22N2O5

Molecular Weight: 490.51

Storage: Store at low temperature
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	ATG5-PPI Inhibitor 17e has a core structure of (E)-3-(2-furanmethylene)-2-pyrrolidone. In in vitro binding assays, this inhibitor blocks the interactions between ATG5 and ATG16L1, as well as between ATG5 and TECAIR, with an IC50 value of >33 μM for both interactions.
Targets(IC50)	ATG

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0387 mL	10.1935 mL	20.3869 mL
5 mM	0.4077 mL	2.0387 mL	4.0774 mL
10 mM	0.2039 mL	1.0193 mL	2.0387 mL
50 mM	0.0408 mL	0.2039 mL	0.4077 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.

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