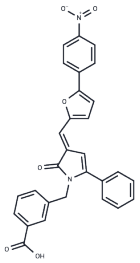
Data Sheet (Cat.No.TYD-04704)

TargetMol

ATG5-PPI Inhibitor 12b

Chemical Properties



CAS No. : 2841473-77-4

Formula: C29H20N2O6

Molecular Weight: 492.48

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 12b possesses a core structure of (E)-3-(2-furanylmethylene)-2-pyrrolidinone and blocks the interactions between ATG5-ATG16L1 and ATG5-TECAIR in in vitro binding assays, with IC_{50} values of > 33 μM and 21.29 μM, respectively.
Targets(IC50)	ATG

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0305 mL	10.1527 mL	20.3054 mL
5 mM	0.4061 mL	2.0305 mL	4.0611 mL
10 mM	0.2031 mL	1.0153 mL	2.0305 mL
50 mM	0.0406 mL	0.2031 mL	0.4061 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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