

ATG5-PPI Inhibitor 12f

Chemical Properties

CAS No. : 2841473-85-4

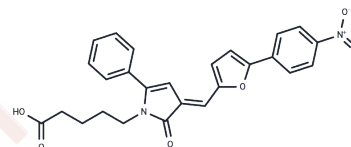
Formula: C₂₆H₂₂N₂O₆

Molecular Weight: 458.46

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	ATG5-PPI Inhibitor 12f has a core structure of (E)-3-(2-furfurylmethylene)-2-pyrrolidone and blocks the interactions between ATG5-ATG16L1 and ATG5-TECAIR in in vitro binding assays, with IC ₅₀ values of >33 μM and 19.16 μM, respectively.
Targets(IC ₅₀)	ATG

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1812 mL	10.9061 mL	21.8122 mL
5 mM	0.4362 mL	2.1812 mL	4.3624 mL
10 mM	0.2181 mL	1.0906 mL	2.1812 mL
50 mM	0.0436 mL	0.2181 mL	0.4362 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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