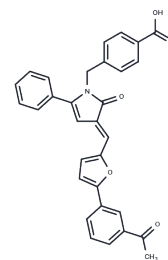


## ATG5-PPI Inhibitor 17b

## Chemical Properties

CAS No. :	2841473-89-8
Formula:	C <sub>31</sub> H <sub>23</sub> N <sub>5</sub> O
Molecular Weight:	489.52
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	ATG5-PPI Inhibitor 17b has a core structure of (E)-3-(2-furylmethylene)-2-pyrrolidinone and blocks the interactions between ATG5-ATG16L1 and ATG5-TECAIR in in vitro binding assays, with IC <sub>50</sub> values of 27.43 μM and 14.88 μM, respectively.
Targets(IC50)	ATG

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0428 mL	10.2141 mL	20.4282 mL
5 mM	0.4086 mL	2.0428 mL	4.0856 mL
10 mM	0.2043 mL	1.0214 mL	2.0428 mL
50 mM	0.0409 mL	0.2043 mL	0.4086 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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