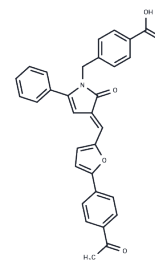


ATG5-PPI Inhibitor 17a

Chemical Properties

CAS No. :	2841473-87-6
Formula:	C ₃₁ H ₂₃ N ₀₅
Molecular Weight:	489.52
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 17a is a potent inhibitor of ATG5-ATG16L1 protein-protein interaction (K _d =4.8 μM). It blocks autophagy flux by preventing complex formation.
Targets(IC50)	ATG
In vitro	ATG5-PPI Inhibitor 17a specifically bound to ATG5 (K _d =4.8 μM) and disrupted ATG5-ATG16L1 interaction to block LC3-I to LC3-II conversion[1].
In vivo	ATG5-PPI Inhibitor 17a (10 mg/kg i.p.) significantly suppressed tumor growth in A549 xenografts, confirmed by decreased LC3-II and increased p62 levels[1].

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

Pinborg LH, et al. [18F]altanserin binding to human 5HT_{2A} receptors is unaltered after citalopram and pindolol challenge. J Cereb Blood Flow Metab. 2004 Sep;24(9):1037-45.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481