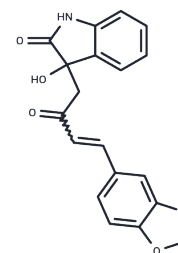


3HOI-BA-01

## Chemical Properties

CAS No. : 355428-84-1  
 Formula: C<sub>19</sub>H<sub>15</sub>N<sub>5</sub>  
 Molecular Weight: 337.33  
 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	3HOI-BA-01 is a mammalian targeting effective rapamycin activation inhibitor.
Targets(IC50)	Others, Autophagy, mTOR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9645 mL	14.8223 mL	29.6446 mL
5 mM	0.5929 mL	2.9645 mL	5.9289 mL
10 mM	0.2964 mL	1.4822 mL	2.9645 mL
50 mM	0.0593 mL	0.2964 mL	0.5929 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

- Huang L, Dai K, Chen M, Zhou W, Wang X, Chen J, Zhou W. The AMPK Agonist PT1 and mTOR Inhibitor 3HOI-BA-01 Protect Cardiomyocytes After Ischemia Through Induction of Autophagy. *J Cardiovasc Pharmacol Ther.* 2016 Jan;21(1):70-81. doi: 10.1177/1074248415581177. Epub 2015 Apr 13. PubMed PMID: 25868658.
- Xie H, Lee MH, Zhu F, Reddy K, Huang Z, Kim DJ, Li Y, Peng C, Lim DY, Kang S, Jung SK, Li X, Li H, Ma W, Lubet RA, Ding J, Bode AM, Dong Z. Discovery of the novel mTOR inhibitor and its antitumor activities in vitro and in vivo. *Mol Cancer Ther.* 2013 Jun;12(6):950-8. doi: 10.1158/1535-7163.MCT-12-1241. Epub 2013 Mar 27. PubMed PMID: 23536724; PubMed Central PMCID: PMC3681861.

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