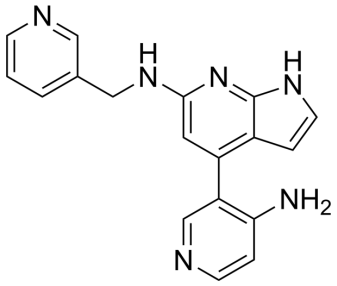
LabMol-301

Cat. No.:	HY-151526
CAS No.:	1360243-08-8
Molecular Formula:	$C_{18}H_{16}N_6$
Molecular Weight:	316.36
Target:	Virus Protease; Flaviviridae
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LabMol-301 inhibits both NS5 RdRp and NS2B-NS3pro activity (IC_{50}: 0.8 and 7.4 μM, respectively). LabMol-301 has a cytoprotective effect and prevents Zika virus (ZIKV)-induced cell death[1].
IC_{50} & Target	NS5 RdRp, NS2B-NS3pro[1]
In Vitro	LabMol-301 (20 μM) shows 99% inhibition rate of NS5 RdRp activity[1]. LabMol-301 (10 μM) inhibits more than 80% of the NS2B-NS3pro protease activity[1]. LabMol-301 interacts with ZIKV NS2B-NS3pro at the allosteric site relied on a highly hydrophobic complementarity between the molecule's surfaces and the protein[1]. LabMol-301 is able to protect GSC387 cell from cell death induced by ZIKV (EC_{50}: 6.68 μM)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mottin M, et al. Discovery of New Zika Protease and Polymerase Inhibitors through the Open Science Collaboration Project OpenZika. J Chem Inf Model. 2022 Oct 14.

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