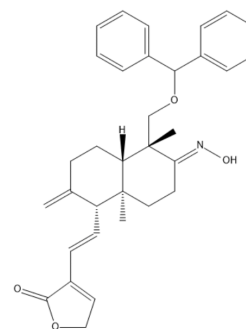


## ZIKV-IN-4

<b>Cat. No.:</b>	HY-151447
<b>Molecular Formula:</b>	C <sub>33</sub> H <sub>37</sub> NO <sub>4</sub>
<b>Molecular Weight:</b>	511.65
<b>Target:</b>	Virus Protease
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	ZIKV-IN-4 (compound 5b) is a low-cytotoxicity and acid-stable anti-ZIKV agent (EC <sub>50</sub> =3.49 μM). ZIKV-IN-4 effectively inhibits the activity of ZIKV NS5 MTase <sup>[1]</sup> .								
<b>IC<sub>50</sub> &amp; Target</b>	EC <sub>50</sub> :3.49 μM (ZIKV) <sup>[1]</sup> .								
<b>In Vitro</b>	<p>ZIKV-IN-4 (0-200 μM; 96 h) shows low cytotoxicity<sup>[1]</sup>.  MCE has not independently confirmed the accuracy of these methods. They are for reference only.  Cell Cytotoxicity Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>Vero cells</td> </tr> <tr> <td>Concentration:</td> <td>0-200 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>96 h</td> </tr> <tr> <td>Result:</td> <td>Exhibited low cytotoxicities with a CC<sub>50</sub> value of more than 200 μM.</td> </tr> </table>	Cell Line:	Vero cells	Concentration:	0-200 μM	Incubation Time:	96 h	Result:	Exhibited low cytotoxicities with a CC <sub>50</sub> value of more than 200 μM.
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### REFERENCES

[1]. Qian W, et al. Discovery of dehydroandrographolide derivatives with C19 hindered ether as potent anti-ZIKV agents with inhibitory activities to MTase of ZIKV NS5. Eur J Med Chem. 2022 Aug 27;243:114710.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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