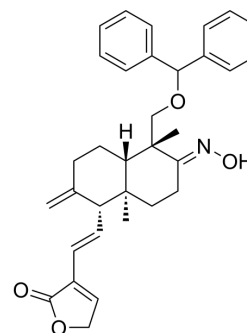


ZIKV-IN-4

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



BIOLOGICAL ACTIVITY

Description	ZIKV-IN-4 (compound 5b) is a low-cytotoxicity and acid-stable anti-ZIKV agent (EC ₅₀ =3.49 μM). ZIKV-IN-4 effectively inhibits the activity of ZIKV NS5 MTase ^[1] .								
IC₅₀ & Target	EC ₅₀ :3.49 μM (ZIKV) ^[1] .								
In Vitro	<p>ZIKV-IN-4 (0-200 μM; 96 h) shows low cytotoxicity^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Cytotoxicity Assay^[1]</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 CC₅₀ 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 ₅₀ 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.

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

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