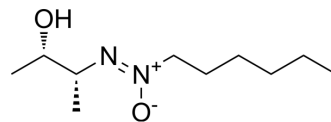


## Dihydromaniwamycin E

Cat. No.:	HY-N10604
Molecular Formula:	C <sub>10</sub> H <sub>22</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	202.29
Target:	Influenza Virus; SARS-CoV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Dihydromaniwamycin E is a heat-shock metabolite with antiviral activity against influenza and SARS-CoV-2 viruses <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Influenza, SARS-CoV-2 <sup>[1]</sup>
<b>In Vitro</b>	Dihydromaniwamycin E shows an inhibitory effect against influenza (H1N1) virus infection in MDCK cells by a plaque assay, exhibiting an IC <sub>50</sub> of 25.7 μM <sup>[1]</sup> . Dihydromaniwamycin E displays antiviral activity against SARS-CoV-2, the causative agent of COVID-19 infection, in 293TA cells, exhibiting an IC <sub>50</sub> of 19.7 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Saito S, et al. Dihydromaniwamycin E, a Heat-Shock Metabolite from Thermotolerant Streptomyces sp. JA74, Exhibiting Antiviral Activity against Influenza and SARS-CoV-2 Viruses. J Nat Prod. 2022 Oct 12;acs.jnatprod.2c00550.

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

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