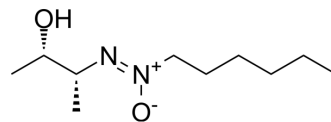


Dihydromaniwamycin E

Cat. No.:	HY-N10604
CAS No.:	3033567-35-7
Molecular Formula:	C ₁₀ H ₂₂ N ₂ O ₂
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

Description	Dihydromaniwamycin E is a heat-shock metabolite with antiviral activity against influenza and SARS-CoV-2 viruses ^[1] .
IC ₅₀ & Target	Influenza, SARS-CoV-2 ^[1]
In Vitro	<p>Dihydromaniwamycin E shows an inhibitory effect against influenza (H1N1) virus infection in MDCK cells by a plaque assay, exhibiting an IC₅₀ of 25.7 μM^[1].</p> <p>Dihydromaniwamycin E displays antiviral activity against SARS-CoV-2, the causative agent of COVID-19 infection, in 293TA cells, exhibiting an IC₅₀ of 19.7 μM^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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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