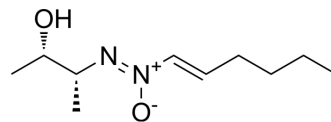


Maniwamycin E

Cat. No.:	HY-N10605
Molecular Formula:	C ₁₀ H ₂₀ N ₂ O ₂
Molecular Weight:	200.28
Target:	SARS-CoV; Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Maniwamycin E is a maniwamycin derivative isolated from the culture extract of thermotolerant <i>Streptomyces</i> sp. JA74. Maniwamycin E shows antiviral activity against SARS-CoV-2 and influenza (H1N1) virus ^[1] .
In Vitro	Maniwamycin E (compound 2) shows inhibitory activity against the influenza (H1N1) virus infection of MDCK cells with an IC ₅₀ value of 63.2 μM, without cytotoxicity as well ^[1] . Maniwamycin E also displays antiviral activity against SARS-CoV-2 infection of 293TA and VeroE6T cells with an IC ₅₀ value of 9.7 μM, without cytotoxicity as well ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Shun Saito, 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.

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

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