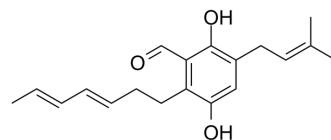


Isodihydroauroglaucin

Cat. No.:	HY-N10282
CAS No.:	74886-31-0
Molecular Formula:	C ₁₉ H ₂₄ O ₃
Molecular Weight:	300.39
Target:	Fungal; Bacterial; Endogenous Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Isodihydroauroglaucin, a fungal metabolite, shows antibacterial activity ^[1] .
IC ₅₀ & Target	Microbial Metabolite
In Vitro	Isodihydroauroglaucin shows antibacterial activity on the majority of the Gram-positive bacteria tested (except <i>S. pneumoniae</i> ATCC 49619), with MIC values ranging from 4 µg/mL to 64 µg/mL; the lowest value was observed against the macrolide-resistant <i>S. pneumoniae</i> Monza-82. Isodihydroauroglaucin shows similar MIC values when tested against <i>Bacillus cereus</i> and <i>Salmonella typhimurium</i> ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Bovio E, et al. Marine Fungi from the Sponge *Grantia compressa*: Biodiversity, Chemodiversity, and Biotechnological Potential. *Mar Drugs*. 2019;17(4):220. Published 2019 Apr 11.

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

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