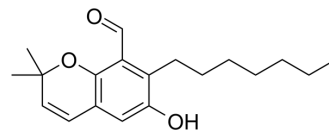


Asperglaucin B

Cat. No.:	HY-N10281
CAS No.:	2701570-80-9
Molecular Formula:	C ₁₉ H ₂₆ O ₃
Molecular Weight:	302.41
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Asperglaucin B is an alkylated salicylaldehyde derivative from the fungus <i>Aspergillus chevalieri</i> SQ-8, with antibacterial activities. Asperglaucin B displays potent antibacterial activities against two plant pathogens <i>Pseudomonas syringae pv actinidae</i> (Psa) and <i>Bacillus cereus</i> , with an MIC value of 6.25 μM ^[1] .
IC₅₀ & Target	MIC: 6.25 μM (<i>Pseudomonas syringae pv actinidae</i> (Psa) and <i>Bacillus cereus</i>) ^[1]
In Vitro	The possible bacteriostatic mechanism for Asperglaucin B is to alter the external structure of <i>B. cereus</i> and Psa, and to cause the rupture or deformation of the cell membranes, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Li-Bin Lin, et al. Alkylated Salicylaldehydes and Prenylated Indole Alkaloids from the Endolichenic Fungus *Aspergillus chevalieri* and Their Bioactivities. *J Agric Food Chem.* 2021 Jun 16;69(23):6524-6534.

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

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