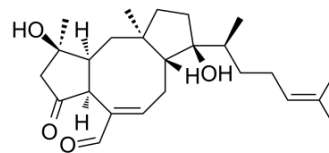


Ophiobolin B

Cat. No.:	HY-N6780
CAS No.:	5601-74-1
Molecular Formula:	C ₂₅ H ₃₈ O ₄
Molecular Weight:	402.57
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	Ophiobolin B, a sesterterpene metabolite of <i>Helminthosporium oryzae</i> , inhibits proton extrusion from maize coleoptiles. Ophiobolin B inhibits fusicoccin (FC) promoted proton extrusion, potassium uptake and cell enlargement [1]. The MIC values with the antifungal effect of Ophiobolins B on different zygomycetes is 25–50 µg/mL [2].
IC ₅₀ & Target	Fungal [2]

REFERENCES

- [1]. Gianani L, et al. Effects of ophiobolin B on cell enlargement and H(+)/K (+) exchange in maize coleoptile tissues. *Planta*. 1979 Jan;146(3):271-4.
- [2]. Krizsán K, et al. Effect of the sesterterpene-type metabolites, ophiobolins A and B, on zygomycetes fungi. *FEMS Microbiol Lett*. 2010 Dec;313(2):135-40.

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

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