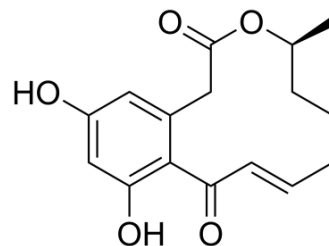


10,11-Dehydrocurvularin

Cat. No.:	HY-N6679A
CAS No.:	21178-57-4
Molecular Formula:	C ₁₆ H ₁₈ O ₅
Molecular Weight:	290.31
Target:	HSP; TGF-beta/Smad
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Stem Cell/Wnt; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

10,11-Dehydrocurvularin is a prevalent fungal phytotoxin and an antibiotic. 10,11-Dehydrocurvularin is a strong activator of the **heat shock response**. 10,11-Dehydrocurvularin inhibits **TGF-β signalling** pathway. Anti-tumorous activity^{[1][2]}.

REFERENCES

- [1]. Xu Y, et al. Characterization of the biosynthetic genes for 10,11-dehydrocurvularin, a heat shock response-modulating anticancer fungal polyketide from *Aspergillus terreus*. *Appl Environ Microbiol*. 2013 Mar;79(6):2038-47.
- [2]. Cochrane RV, et al. Comparison of 10,11-Dehydrocurvularin Polyketide Synthases from *Alternaria cinerariae* and *Aspergillus terreus* Highlights Key Structural Motifs. *Chembiochem*. 2015 Nov;16(17):2479-83.

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

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