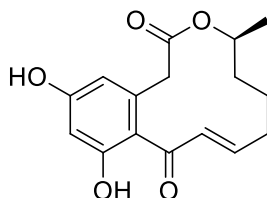


10,11-Dehydrocurvularin

Code No.: **BIA-D1399**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: 1095588-70-7
Molecular Formula	: C ₁₆ H ₁₈ O ₅
Molecular Weight	: 290.3
Source	: <i>Curvularia</i> sp.
Appearance	: White to off white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Dehydrocurvularin is a 12-membered macrocyclic lactone incorporating a resorcinyl moiety, produced by a number of fungal species including *Curvularia*, *Penicillium* and *Alternaria*. Dehydrocurvularin inhibits cell division by disrupting mitotic spindle formation and acts as a developmental regulator by inhibiting self-sporulation in *Alternaria alternata*. More recently dehydrocurvularin has been shown to have antimalarial activity.

References

1. Curvularin. Part V. The compound C₁₆H₁₈O₅, α,β-dehydrocurvularin. Munro H.D. et al., J. Chem. Soc. 1967, 947.
2. Isolation of alpha, beta-dehydrocurvularin and, beta-hydroxycurvularin from *Alternaria* tomato as sporulation suppressing factors. Hyeon S-B. et al., Agri. Biol. Chem. 1976, 44, 1663.
3. Betagamma-dehydrocurvularin and related compounds as nematocides of *Pratylenchus penetrans* from the fungus *Aspergillus* sp. Kusano M. et al., Biosci. Biotechnol. Biochem. 2003, 67, 1413.