10,11-Dehydrocurvularin

**Synonyms**: 

**Specifications**

- **CAS #**: 1095588-70-7
- **Molecular Formula**: C_{16}H_{18}O_{5}
- **Molecular Weight**: 290.3
- **Source**: *Curvularia* sp.
- **Appearance**: White to off white solid
- **Purity**: >98% 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**