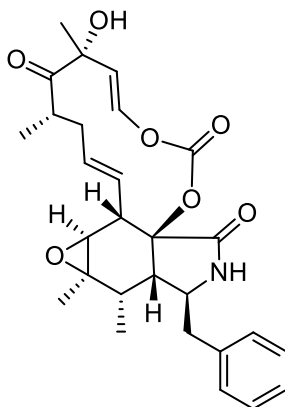


Cytochalasin E

Code No.: **BIA-C1251**

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



Synonyms :

Specifications

CAS #	: 36011-19-5
Molecular Formula	: C₂₈H₃₃NO₇
Molecular Weight	: 495.6
Source	: <i>Aspergillus clavatus</i>
Appearance	: White powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Cytochalasin E is one of a family of potent mycotoxins produced by a range of fungi. All members of the class exhibit profound effects on cytoskeletal proteins, resulting in pronounced morphogenic changes in animals and plants. Despite the common mode of action, there is evidence that individual members display diverse selectivity. Specifically, cytochalasin E acts as an angiogenesis inhibitor and, unlike other cytochalasins, does not inhibit glucose transport.

References

1. The structure of the fungal metabolites cytochalasins E and F. Aldridge D. C. et al., Chem. Commun. 1973, 551.
2. Cytochalasin E, an epoxide containing *Aspergillus*-derived fungal metabolite, inhibits angiogenesis and tumor growth. Udagawa T. et al., J. Pharmacol. Exp. Ther. 2000, 294, 421.