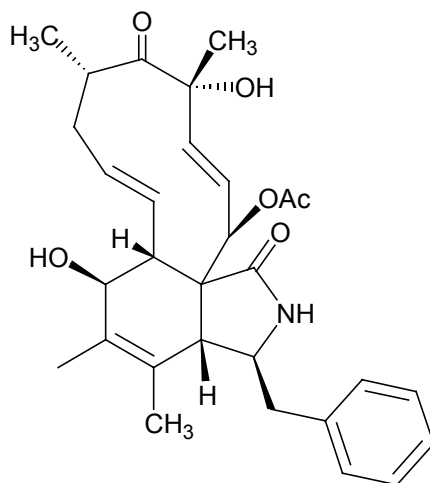


Cytochalasin C

Code: BIA-C1169

Pack sizes: 1 mg, 5 mg



Synonyms :

Specifications

CAS #	: 22144-76-9
Molecular Formula	: C ₃₀ H ₃₇ NO ₆
Molecular Weight	: 507.6
Source	: <i>Geniculosporium</i> sp. MST-FP1762
Appearance	: White powder
Purity	: >99% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Cytochalasin C 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. The cytochalasins act by disrupting actin microfilaments and these effects are most noticeable by the inhibition of cell division.

References

1. Actin assembly activity of cytochalasins and cytochalasin analogs assayed using fluorescence photobleaching recovery. Walling E. A. et al., Arch. Biochem. Biophys. **1988**, 264, 321.
2. Alteration in cell morphology triggers transforming growth factor-beta 1, collagenase, and tissue inhibitor of metalloproteinases-I expression in normal and hypertrophic scar fibroblasts. Varedi M. et al.; J. Invest. Dermatol. **1995**, 104, 118.