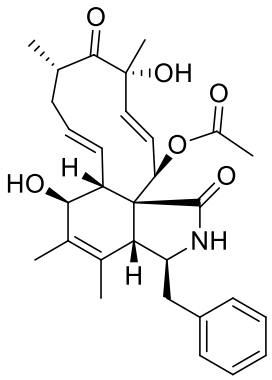
bioaustralis
fine chemicals

PRODUCT DATA SHEET

# Cytochalasin C

Code No.: **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 | : | ***Geniculosporium* sp.** |
| 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 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.


Updated: 20 May 2021



Building C, 28-54 Percival Road, Smithfield, NSW 2164, AUSTRALIA

Tel: 61 2 9757 4515 Fax: 61 2 9757 2586 Web: www.bioaustralis.com Email: info@bioaustralis.com