



Product Information

Product ID C9882

CAS No. 36011-19-5

Chemical Name

Synonym

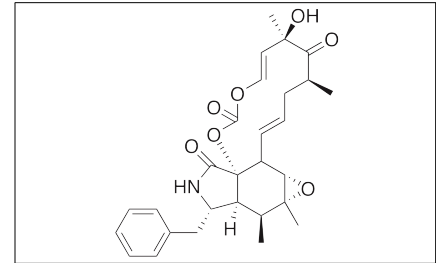
Formula $C_{28}H_{33}NO_7$

Formula Wt. 495.57

Melting Point 206 °C (dec)

Purity $\geq 98\%$

Solubility



Bulk quantities available upon request

Product ID	Size
C9882	1 mg
C9882	5 mg

Store Temp 4 °C

Ship Temp Ambient

Description Cytochalasin E is a mycotoxin actin polymerization inhibitor initially produced by species of *Aspergillus*. Cytochalasin E increases levels of IL-8, ICAM-1, and CD-54 in vitro. Cytochalasin E also exhibits anticancer chemotherapeutic and anti-angiogenic activities. In endothelial cells, cytochalasin E inhibits cell proliferation and FGF-stimulated angiogenesis. In similar animal models, this compound inhibits lung tumor growth.

References Ikewaki N, Yamada A, Inoko H. Depolymerization of actin filament by cytochalasin E induces interleukin-8 production and up-regulates CD54 in the HeLa epithelial cell line. *Microbiol Immunol.* 2003;47(10):775-83. PMID: 14605444.

Udagawa T, Yuan J, Panigrahy D, et al. Cytochalasin E, an epoxide containing *Aspergillus*-derived fungal metabolite, inhibits angiogenesis and tumor growth. *J Pharmacol Exp Ther.* 2000 Aug;294(2):421-7. PMID: 10900214.

Gan Y, Au JL, Lu J, et al. Antiproliferative and cytotoxic effects of geldanamycin, cytochalasin E, suramin and thiocetazone in human prostate xenograft tumor histocultures. *Pharm Res.* 1998 Nov;15(11):1760-6. PMID: 9834000.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.