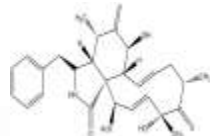


PRODUCT: Cytochalasin D**ALTERNATE NAME:** Zygosporin A**CATALOG #:** B1176-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** $C_{30}H_{37}NO_6$ **MOLECULAR WEIGHT:** 507.6**CAS NUMBER:** 22144-77-0**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (~25 mg/ml)**PURITY:** ≥95%**STORAGE:** Store at -20°C. Protect from air and light.

DESCRIPTION: Cytochalasin D is a cell-permeable fungal toxin that acts as a potent inhibitor of actin polymerization; disrupts actin microfilaments; activates the p53-dependent pathways. It is about 10-fold more effective than Cytochalasin B and does not inhibit monosaccharide transport across cell membranes. Inactivates low conductance K^+ channels. Modulates CD4 cross-linking in T-lymphocytes and increases intracellular Ca^{2+} levels. Exhibits antitumor activity. Induces apoptosis.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

ABT751 (Cat. No. 2836-5, 25)

Colchicine (Cat. No. 1519-1000)

Combretastatin A (Cat. No. 2239-10, 50)

Docetaxel (Cat. No. 2232-10, 50)

D-64131 (Cat. No. B1066-10, 50)

ELR-510444 (Cat. No. 9433-5,25)

Epothilone B (Cat. No. 2012-1,5)

Nocodazole (Cat. No. 2185-10, 50)

Paclitaxel (Cat. No. 1567-25)

Podophyllotoxin (Cat. No. 2767-50)

Pseudolaric acid B (Cat. No. 2512-1, 5)

Tamoxifen Citrate (Cat. No. 1551-1000)

Vinblastin sulfate (Cat. No. 1959-5, 25)

Vinorelbine tartrate (Cat. No. 1957-5, 25)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**