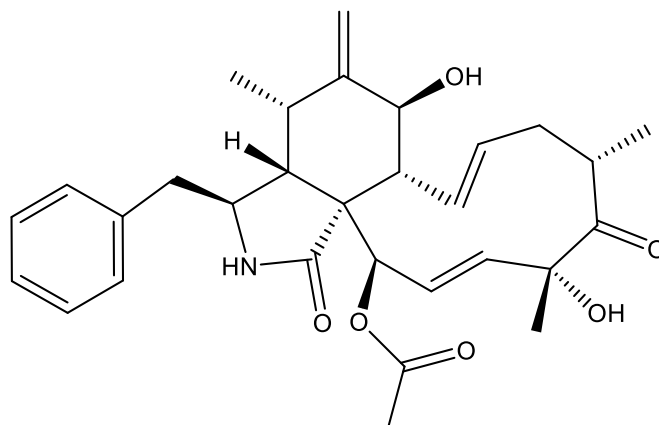


Catalog # 10-2071

Cytochalasin D

(7S,13E,16S,18R,19E,21R)-21-(Acetyloxy)-7,18-dihydroxy-16,18-dimethyl-10-phenyl[11]cytochalasa-6(12),13,19-triene-1,17-dione
CAS# 22144-77-0
Lot # X102183



Potent inhibitor of actin polymerization which also causes the disruption of actin filaments. More potent than cytochalasin B (10-fold) and does not inhibit monosaccharide transport across cell membranes. Disruption of actin microfilaments leads to activation of p53. Cell permeable

- 1) Goddette and *et al.* (1986), *Actin polymerization. The mechanism of action of cytochalasin D* ; J. Biol. Chem., **261** 15974
- 2) Rubtsova *et al.* (1998), *Disruption of actin microfilaments by cytochalasin D leads to activation of p53* ; FEBS Lett., **430** 353

PHYSICAL DATA

Molecular Weight: 507.63
Molecular Formula: C₃₀H₃₇NO₆
Purity: 98% by TLC
NMR (Conforms)
Solubility: DMSO (up to 20 mg/ml) or ethanol (up to 5 mg/ml)
Physical Description: White solid
Storage and Stability: Store as supplied at -20°C for up to 3 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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