



LKT Laboratories, Inc.

Cytochalasin B

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Product Information

Product ID C9879

CAS No. 14930-96-2

Chemical Name

Synonym

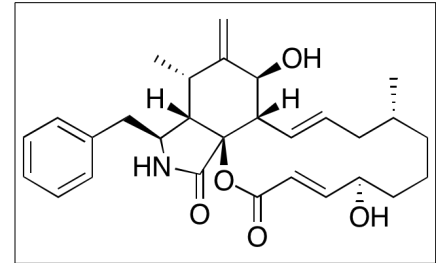
Formula $C_{29}H_{37}NO_5$

Formula Wt. 479.61

Melting Point 221-223 °C

Purity $\geq 98\%$

Solubility DMSO or Ethanol



Bulk quantities available upon request

Product ID	Size
C9879	1 mg
C9879	5 mg

Store Temp 4 °C

Ship Temp Ambient

Description Cytochalasin B is a mycotoxin actin polymerization inhibitor initially produced by species of *Aspergillus*. Cytochalasin B inhibits secretion of corticosterone and aldosterone from the adrenal gland in vivo. In fibroblasts, cytochalasin B inhibits FGF- and PDGF-induced mitogenesis. Additionally, this compound's disruption of actin polymerization prevents phagocytosis in macrophages.

References Delarue C, Esneu M, Fournier A, et al. Role of the cytoskeleton in the secretory response of the frog adrenal gland to calcitonin gene-related peptide. *J Steroid Biochem Mol Biol.* 1997 Sep-Oct;63(1-3):21-7. PMID: 9449202.

Reist RH, Dey RD, Durham JP, et al. Inhibition of proliferative activity of pulmonary fibroblasts by tetrandrine. *Toxicol Appl Pharmacol.* 1993 Sep;122(1):70-6. PMID: 8104360.

Painter RG, Whisenand J, McIntosh AT. Effects of cytochalasin B on actin and myosin association with particle binding sites in mouse macrophages: implications with regard to the mechanism of action of the cytochalasins. *J Cell Biol.* 1981 Nov;91(2 Pt 1):373-84. PMID: 7198123.

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