LKT Laboratories, Inc.

Cytochalasin A

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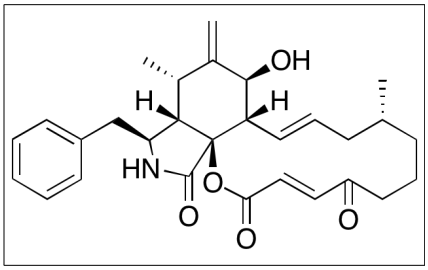
Product Information

Product ID C9878
CAS No. 14110-64-6
Chemical Name

Synonym Dehydrophomin

Formula $C_{29}H_{35}NO_5$
Formula Wt. 477.60
Melting Point 193-195°C
Purity ≥98%
Solubility



Bulk quanitites available upon request

Product ID	Size
C9878	1 mg
C9878	5 mg

Store Temp 4°C
Ship Temp Ambient
Description Cytochalasin A is a mycotoxin actin polymerization inhibitor initially produced by species of *Aspergillus*. Cytochalasin A inhibits platelet-mediated adhesion of tumor cells to the endothelial matrix, displaying potential anticancer benefit. Cytochalasin A also inhibits Kv1.5 K+ channels in vitro. This compound's disruption of actin polymerization also prevents phagocytosis in macrophages.

References

Choi BH, Park JA, Kim KR, et al. Direct block of cloned hKv1.5 channel by cytochalasins, actin-disrupting agents. Am J Physiol Cell Physiol. 2005 Aug;289(2):C425-36. PMID: 15800051.

Menter DG, Sloane BF, Steinert BW, et al. Platelet enhancement of tumor cell adhesion to subendothelial matrix: role of platelet cytoskeleton and platelet membrane. J Natl Cancer Inst. 1987 Nov;79(5):1077-90. PMID: 3479634.