



LKT Laboratories, Inc.

Dihydrocytochalasin B

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Product Information

Product ID D3429

CAS No. 39156-67-7

Chemical Name

Synonym

Formula $C_{29}H_{39}NO_5$

Formula Wt. 481.62

Melting Point 203-205°C

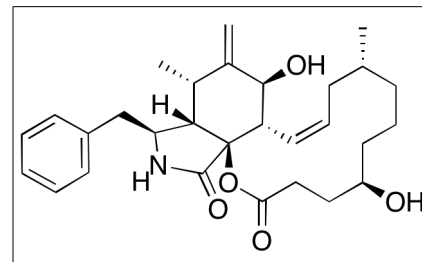
Purity $\geq 98\%$

Solubility Acetone, DMSO, 100%
Ethanol, Methanol

Store Temp 4°C

Ship Temp Ambient

Description Dihydrocytochalasin B is a mycotoxin derivative that inhibits actin polymerization, preventing mitosis. Dihydrocytochalasin B exhibits anti-parasitic activity, inhibiting the growth of *Entamoeba invadens*. Additionally, dihydrocytochalasin B exhibits neuromodulatory activity, enhancing the conversion of Kv1.1 K⁺ channels to A-type K⁺ channels.



Bulk quantities available upon request

Product ID	Size
D3429	0.1 mg
D3429	1 mg
D3429	5 mg

References Makioka A, Kumagai M, Kobayashi S, et al. Different effects of cytochalasins on the growth and differentiation of *Entamoeba invadens*. *Parasitol Res.* 2004 May;93(1):68-71. PMID: 15103555.

Reshetnikova G, Barkan R, Popov B, et al. Disruption of the actin cytoskeleton leads to inhibition of mitogen-induced cyclin E expression, Cdk2 phosphorylation, and nuclear accumulation of the retinoblastoma protein-related p107 protein. *Exp Cell Res.* 2000 Aug 25;259(1):35-53. PMID: 10942577.

Jing J, Chikvashvili D, Singer-Lahat D, et al. Fast inactivation of a brain K⁺ channel composed of Kv1.1 and Kvbeta1.1 subunits modulated by G protein beta gamma subunits. *EMBO J.* 1999 Mar 1;18(5):1245-56. PMID: 10064591.

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