



LKT Laboratories, Inc.

D-Sphingosine

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Product Information

Product ID S6129

CAS No. 123-78-4

Chemical Name (2S,3R,4E)-2-Amino-4-octadecene-1,3-diol

Synonym Sphingosine, 4-Sphingenine

Formula $C_{18}H_{37}NO_2$

Formula Wt. 299.49

Melting Point 81-82 °C

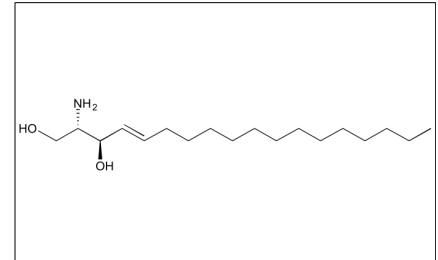
Purity ≥98%

Solubility Soluble in chloroform,
DMSO. Insoluble in ethanol,
acetone, water.

Store Temp -20 °C

Ship Temp Ambient

Description D-Sphingosine is an endogenous component of sphingolipids that exhibits antibacterial activity against many gram positive and gram negative bacteria such as *Escherichia*, *Staphylococcus*, and *Corynebacterium*. D-Sphingosine also inhibits PKC.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
S6129	5 mg	\$90.70
S6129	25 mg	\$339.00

References Fischer CL, Drake DR, Dawson DV, et al. Antibacterial activity of sphingoid bases and fatty acids against Gram-positive and Gram-negative bacteria. *Antimicrob Agents Chemother.* 2012 Mar;56(3):1157-61. PMID: 22155833.

Huang Y, Zhang XY, Chen HL. Regulation of Phospholipase D Activity in Human Hepatocarcinoma Cells by Protein Kinases and D-sphingosine. *Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao (Shanghai).* 1999;31(5):572-576. PMID: 12114973.

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