



LKT Laboratories, Inc.

Fumonisin B₁

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Product Information

Product ID F8149

CAS No. 116355-83-0

Chemical Name 1,2,3-propanetricarboxylic acid 1,1'-[1-(12-amino-4,9,11-trihydroxy-2-methyltridecyl)-2-(1-methyl-pentyl)-1,2-ethanediyl] ester

Synonym Macrofusine, FB1

Formula C₃₄H₅₉NO₁₅

Formula Wt. 721.83

Melting Point 126 °C

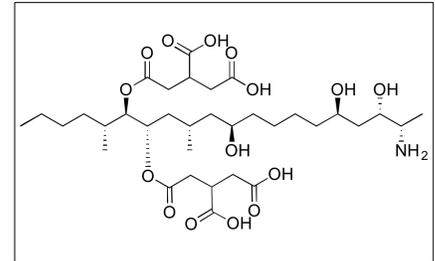
Purity ≥98%

Solubility Soluble in PBS (18 mg/mL), methanol (10 mg/mL), and acetonitrile (10 mg/mL).

Store Temp -20 °C

Ship Temp Ambient

Description Fumonisin B1 is a mycotoxin initially produced by *Fusarium* that is found as a contaminant in grain, maize, and grapes. Fumonisin B1 inhibits sphingosine acyltransferase, disrupting sphingolipid metabolism. Fumonisin B1 is a less toxic analog of fumonisin B2.



Bulk quantities available upon request

Product ID	Size
F8149	1 mg
F8149	5 mg

References Wei T, Zhu W, Pang M, et al. Natural occurrence of fumonisins B1 and B2 in corn in four provinces of China. Food Addit Contam Part B Surveill. 2013 Dec;6(4):270-4. PMID: 24779936.

Tardieu D, Bailly JD, Skiba F, et al. Chronic toxicity of fumonisins in turkeys. Poult Sci. 2007 Sep;86(9):1887-93. PMID: 17704375.

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