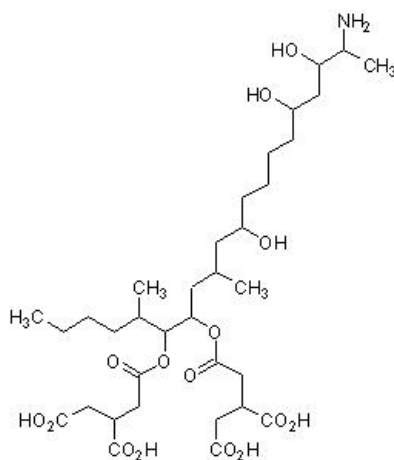


Product datasheet

# Fumonisin B1, Protein serine/threonine phosphatase inhibitor ab142433

Overview

<b>Product name</b>	Fumonisin B1, Protein serine/threonine phosphatase inhibitor
<b>Description</b>	Protein serine/threonine phosphatase inhibitor. Cell proliferation inhibitor and apoptosis inducer
<b>Biological description</b>	Mycotoxin and protein serine/threonine phosphatase inhibitor (IC <sub>50</sub> values are 80 μM (PP5), 0.3 (PP2Cα), 0.4 (PP2A), 0.5 (PP1γ2) and 3 mM (PP2B)). Cell proliferation inhibitor and apoptosis inducer. Inhibits incorporation of [14C]serine into sphingosine moiety of cellular sphingolipids (IC <sub>50</sub> = 0.1 μM). Toxicological and carcinogenic effects <i>in vivo</i> .
<b>Purity</b>	> 98%
<b>CAS Number</b>	116355-83-0
<b>Chemical structure</b>	



Properties

<b>Chemical name</b>	2-[2-[19-Amino-6-(3,4-dicarboxybutanoyloxy)-11,16,18-trihydroxy-5,9-dimethylicosan-7-yl]oxy-2-oxoethyl]butanedioic acid
<b>Molecular weight</b>	721.83
<b>Molecular formula</b>	C <sub>34</sub> H <sub>59</sub> NO <sub>15</sub>
<b>PubChem identifier</b>	3431
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 25 mM and in DMSO to 10 mM

<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	<chem>CCCCC(C)C(C(CC(C)CC(CCCCC(CC(C(C)N)O)O)O)OC(=O)CC(CC(=O)O)C(=O)O)OC(=O)C(C(CC(=O)O)C(=O)O</chem>
<b>Source</b>	<i>Fusarium moniliforme</i>

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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