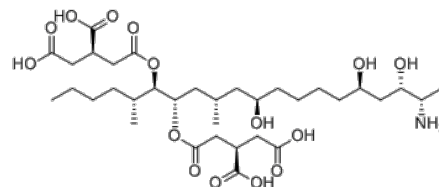


Product Name	: Fumonisin B1
Cat. No.	: PC-61424
CAS No.	: 116355-83-0
Molecular Formula	: C ₃₄ H ₅₉ NO ₁₅
Molecular Weight	: 721.8
Target	: Other Targets
Solubility	: 10 mM in DMSO



Biological Activity

Fumonisin B1 is a mycotoxin produced from *F. moniliforme*, and an inhibitor of **ceramide synthase** (sphingosine N-acyltransferase/CerS).

Fumonisin B1 attenuates the response of P388D1 cells to PAF and LPS by inhibiting ceramide formation.

Fumonisin B1 blocks the apoptotic response of HaCaT cells to the antiproliferative drug hexadecylphosphocholine, through inhibition of ceramide production.

Fumonisin B1 alters cell morphology and decreases in cell proliferation in Swiss 3T3 cells.

References

Merrill AH Jr, et al. *J Biol Chem.* 1993 Dec 25;268(36):27299-306.

Balsinde J, et al. *J Biol Chem.* 1997 Aug 15;272(33):20373-7.

Meivar-Levy I, et al. *J Biol Chem.* 1999 Feb 19;274(8):4607-12.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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