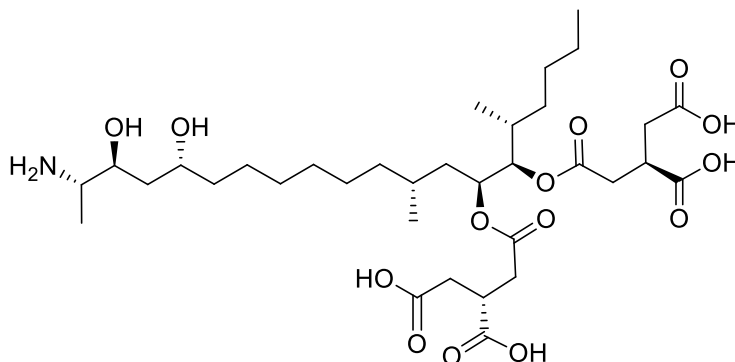


Fumonisin B2

Code No.: **BIA-F1258**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

Specifications

CAS #	: 116355-84-1
Molecular Formula	: C ₃₄ H ₅₉ NO ₁₄
Molecular Weight	: 705.8
Source	: <i>Fusarium moniliforme</i>
Appearance	: White to off white powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Fumonisin B2 is a minor analogue of a family of potent mycotoxins produced by various *Fusarium* species, associated with animal toxicity worldwide. To date much of the research on the pharmacology of the fumonisins has focused on fumonisin B1. It is generally accepted that fumonisin B2 acts on ceramide biosynthesis, however, the pharmacology of the minor analogues is less well explored.

References

1. Structure elucidation of the fumonisins, mycotoxins from *Fusarium moniliforme*. Bezuidenhout S. C. et al., J. Chem. Soc. Chem. Commun. 1988, 743.
2. Inhibition of sphingolipid biosynthesis by fumonisins. Implications for diseases associated with *Fusarium moniliforme*. Wang E. et al., J. Biol. Chem. 1991, 266, 14486.
3. Inhibition of sphingolipid synthesis affects axonal outgrowth in cultured hippocampal neurons. Harel R. & Futerman A. H. J. Biol. Chem. 1993, 268, 14476.
4. Fumonisin B1 inhibits sphingosine (sphinganine) N-acyltransferase and de novo sphingolipid biosynthesis in cultured neurons in situ. Merrill A. H. et al., J. Biol. Chem. 1993, 268, 27299.