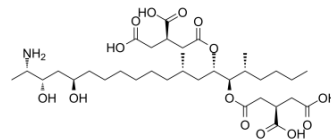


## Fumonisin B2

Cat. No.:	HY-N6723
CAS No.:	116355-84-1
Molecular Formula:	C <sub>34</sub> H <sub>59</sub> NO <sub>14</sub>
Molecular Weight:	705.83
Target:	Acyltransferase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

Description	Fumonisin B2, a mycotoxin produced by <i>Fusarium moniliforme</i> in various grains, is a potent inhibitor of <b>sphingosine N-acyltransferase (ceramide synthase)</b> and disrupts de novo sphingolipid biosynthesis <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	Sphingosine N-acyltransferase <sup>[2]</sup>

### REFERENCES

- [1]. Henry MH, et al. The toxicity of fumonisin B1, B2, and B3, individually and in combination, in chicken embryos. *Poult Sci.* 2001 Apr;80(4):401-7.
- [2]. Shephard GS, et al. Disruption of sphingolipid metabolism in non-human primates consuming diets of fumonisin-containing *Fusarium moniliforme* culture material. *Toxicon.* 1996 May;34(5):527-34.
- [3]. Wei T, et al. Natural occurrence of fumonisins B1 and B2 in corn in four provinces of China. *Food Addit Contam Part B Surveill.* 2013;6(4):270-4.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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