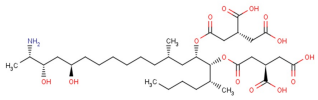
Data Sheet (Cat.No.T15357)

TargetMol
A DRUG SCREENING EXPERT

Fumonisin B2

Chemical Properties



CAS No.:	116355-84-1
Formula:	C34H59NO14
Molecular Weight:	705.83
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Fumonisin B2 is a mycotoxin produced by Fusarium moniliforme in various grains. It also is a potent inhibitor of sphingosine N-acyltransferase (ceramide synthase). Which disrupts de novo sphingolipid biosynthesis.
Targets(IC_{50})	Sphingosine N-acyltransferase: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.417 mL	7.084 mL	14.168 mL
5 mM	0.283 mL	1.417 mL	2.834 mL
10 mM	0.142 mL	0.708 mL	1.417 mL
50 mM	0.028 mL	0.142 mL	0.283 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

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.

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