

Fumonisin B2

Chemical Properties

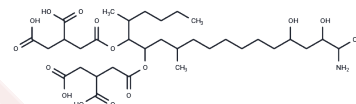
CAS No. : 116355-84-1

Formula: C₃₄H₅₉NO₁₄

Molecular Weight: 705.83

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Fumonisin B2 is a mycotoxin produced by <i>Fusarium moniliforme</i> in various grains. It also is a potent inhibitor of sphingosine N-acyltransferase (ceramide synthase). Which disrupts de novo sphingolipid biosynthesis.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4168 mL	7.0839 mL	14.1677 mL
5 mM	0.2834 mL	1.4168 mL	2.8335 mL
10 mM	0.1417 mL	0.7084 mL	1.4168 mL
50 mM	0.0283 mL	0.1417 mL	0.2834 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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.

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.

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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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481