



CERTIFICATE OF ANALYSIS

PRODUCT: **Fumonisin B₁,**
C₃₄H₅₉NO₁₅, M.W. 721.8,
CAS# [116355-83-0], M.I.: 14: 4289

PRODUCT NUMBER: F-1022

LOT NUMBER: A10047B

APPEARANCE: Off-White Powder

SOLUBILITY: Soluble in water (10 mg/ml), methanol (5mg/ml), DMSO (20 mg/ml) or acetonitrile.

PURITY (TLC): Methylene chloride: methanol: acetic acid: water (60:40:1:9)
≥96% (confirms)

PURITY (TLC): Methanol: potassium chloride 4% (4:1)
≥96% (confirms)

PURITY (HPLC): 99.9%

PRODUCT DESCRIPTION: Isolated from *Fusarium moniliforme*. Mycotoxin. Induces DNA damage in the liver and cancer. Inhibitor of sphingosine biosynthesis. Induces apoptosis. Activates Akt (protein kinase B; PKB), which leads to increased survival, inhibition of GSK-3β activity and post-translational stabilization of cyclin D1.

ELEMENTAL ANALYSIS:	SPECIFICATION:	RESULTS:
	C: 56.57%	C: 55.27%
	H: 8.27%	H: 8.53%
	N: 1.94%	N: 2.17%
	(calculated for 3 H ₂ O)	

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STORAGE & HANDLING: Keep cool and dry at -20°C . **MAY BE CARCINOGENIC. MAY BE TERATOGENIC. MAY BE MUTAGENIC. HARMFUL.**

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KT