Fumonisin B_2

Ceramide synthase inhibitor

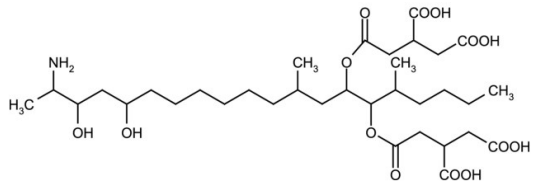
Mycotoxin, structurally similar to fumonisin B_1 (Prod. No. BML-SL220). Found as contaminant mostly in corn silage; was detected recently for the first time in the industrially important *Aspergillus niger.* Induces cancer. Inducer of apoptosis. Inhibits sphinganine N-acyltransferase (ceramide synthase) at IC_{50} = 0.1µM. Inhibits de novo sphingolipid biosynthesis.

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Ordering Information Order Online »

BML-SL219-0001	1mg
BML-SL219-0005	5mg

Manuals, SDS & CofA View Online »


NH2
H3C
OH
OH
CH3
O
O
COOH
COOH
CH3
CH3
O
O
COOH
COOH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Off-white solid.
CAS	116355-84-1
Couple Target	Ceramide synthase, Sphinganine N-acyltransferase
Couple Type	Inhibitor
Formula	$C_{34}H_{59}NO_{14}$
MI	**14:** 4289 (Fumonisin B_1)
MW	705.8
Purity	≥98% (TLC)
RTECS	TZ8335000
Solubility	Soluble in water (25mg/ml).

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