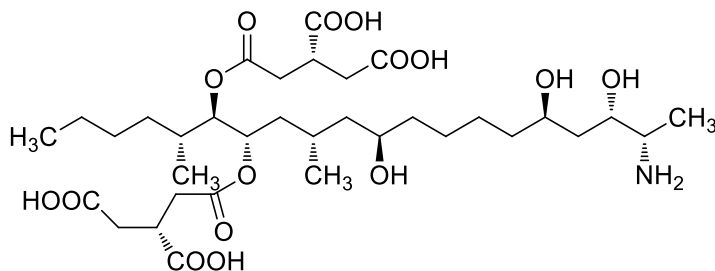


**Catalog # 10-2396**

**Fumonisin B1**

CAS# 116355-83-0

Lot # X102158



Inhibits ceramide synthesis (sphinganine N-acyltransferase), IC<sub>50</sub> = 100 nM. Inhibits *de novo* sphingolipid biosynthesis (IC<sub>50</sub> = 0.7 μM) thereby blocking glycosphingolipid production.

- 1) Merrill *et al.* (1993), *Fumonisin B1 inhibits sphingosine (sphinganine) N-acyltransferase and de novo sphingolipid biosynthesis in cultured neurons in situ*; J. Biol. Chem., **268** 27299

#### PHYSICAL DATA

Molecular Weight:	721.85
Molecular Formula:	C <sub>34</sub> H <sub>59</sub> NO <sub>15</sub>
Purity:	98% by TLC NMR (Conforms)
Solubility:	Water (up to 25 mg/ml)
Physical Description:	Beige solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in water may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.