

Product Name: Avermectin B1a, EvoPure[®]

Product Number: A063

CAS Number: 65195-55-3

Molecular Formula: C₄₈H₇₂O₁₄

Molecular Weight: 873.07

Form: Powder

Storage Conditions: -20°C

Description: Avermectin B1a is a macrocyclic lactone with insecticidal and anti-parasitic properties. Avermectin B1a is soluble in acetone, methanol, and isopropanol. This product is considered a dangerous good. Quantities above 1 g may be subject to additional shipping fees. Please contact us for specific questions.

Mechanism of Action: Avermectins induce paralysis in nematodes by blocking transmission between neurons in the ventral nerve cord.

Spectrum: Avermectin has been actively used in agricultural and veterinary applications as an insecticide and anthelmintic respectively.

Technical Data: Spectral Data of Avermectin B1a, EvoPure[®]

HNMR Spectra



[Click for larger image](#)

Column: Luna 250

Mobile Phase: 0.3 g/L phosphoric acid

Flow Rate: 1.0 mL/min

Temperature: 25°C

Wavelength: 370 nm

Instrument: Shimadzu LC2010A-HT

Sample Name: STBD6011V

Method File: MODIFIED Ginko Leaf Assay

References:

Kass, L. S., and C. C. Wang. "Avermectin B1a, a Paralyzing Anthelmintic That Affects Interneurons and Inhibitory Motoneurons in *Ascaris*." Ncbi.gov. PNAS, n.d. Web. 21 June 2013

If you need any help, contact us: info@toku-e.com. Find more information on: www.toku-e.com/