Product Name: Eprinomectin

Product Number: E050

CAS Number: 123997-26-2

Molecular Formula: C_{50}H_{75}NO_{14}

Molecular Weight: 914.1

Appearance: White solid

Storage Conditions: -20°C

Description: Eprinomectin is a mixture of eprinomectins B1a and B1b in a 9:1 ratio, produced from a mixture of avermectin B1a and B1b. Eprinomectin is used commercially as a topical endectocide (insecticide, miticide and nematocide) for cattle, including lactating dairy cows. Like all avermectins and milbemycins, eprinomectin acts by binding to parasite glutamate-gated chloride ion channels and disrupts neurotransmission leading to paralysis and death of the parasite, mite or insect.

Eprinomectin is soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.


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