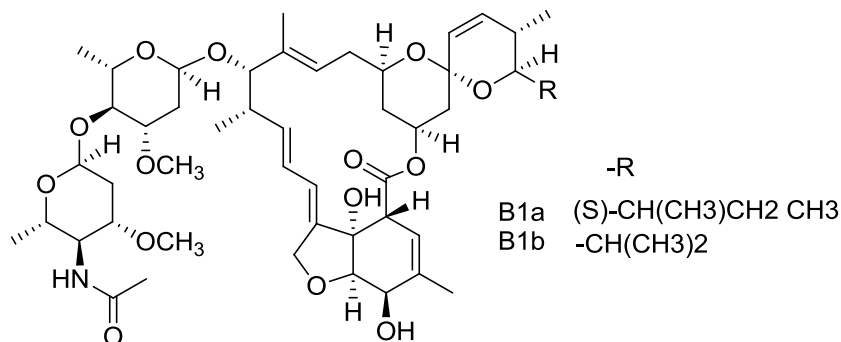


Eprinomectin

Code No.: **BIA-E1300**

Pack sizes: **5 mg, 25 mg**



Synonyms : MK-397, 4''R-epiacetylamino-4''-deoxyavermectin B1

Specifications

CAS #	: 123997-26-2
Molecular Formula	: C ₅₀ H ₇₅ NO ₁₄
Molecular Weight	: 914.1
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

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.

References

1. Eprinomectin: a novel avermectin for use as a topical endectocide for cattle. Shoop W. L. Int. J.Parasitol. 1996, 26, 1237.