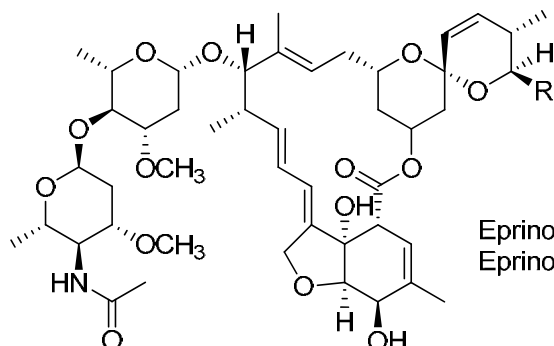


## Eprinomectin

Code: **BIA-E1300**

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



Eprinomectin B1A R = (S)-CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>

Eprinomectin B1B R = -CH(CH<sub>3</sub>)<sub>2</sub>

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

## Specifications

CAS # : **123997-26-2**  
Molecular Formula : **C<sub>49</sub>H<sub>73</sub>NO<sub>14</sub>**  
Molecular Weight : **900.1**  
Source : **Semi-synthetic**  
Appearance : **White solid**  
Purity : **>95%**  
Storage : **-20°C**  
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.**

## Application Notes

Eprinomectin is a semi-synthetic avermectin analogue introduced 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.