



# Eprinomectin B1b, EvoPure PRODUCT DATA SHEET

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<b>Product Name:</b>	Eprinomectin B1b, EvoPure
<b>Product Number:</b>	E052
<b>CAS Number:</b>	133305-89-2
<b>Molecular Formula:</b>	C <sub>49</sub> H <sub>73</sub> NO <sub>14</sub>
<b>Molecular Weight:</b>	900.1
<b>Appearance:</b>	White solid
<b>Solubility:</b>	Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.
<b>Source:</b>	Semi-synthetic
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	Eprinomectin B1b is a semi-synthetic analogue of avermectin B1b prepared by oxidation of the 4-hydroxy moiety and reductive amination followed by acetylation. Eprinomectin B1b is the minor component (<10%) of the commercial product for endo- and exo-para
<b>References:</b>	4-Keto- and 4-amino-4-deoxy avermectin compounds and substituted amino derivatives thereof. Mrozik H.H. et al., 1984 US Patent 4,427,663. Synthesis of 4"-epi-amino-4"-deoxyavermectins B1. Cvetovich R.J. et al., J. Org. Chem. 1994, 59, 7704. Efficacy in sheep and pharmacokinetics in cattle that led to the selection of eprinomectin as a topical endectocide for cattle. Shoop W.L. et al., Int. J. Parasitol. 1996, 26, 1227.

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