

Avermectin Analogue Set

Code No.: **BIA-MS5007**

Specifications

Each set contains 1 x 1mg vial of each of the following products:

Vial #	Compound	Code No.	CAS #	Mol. Formula	Mol. Wt.
1	Avermectin B1a	BIA-A1010	65195-55-3	C ₄₈ H ₇₂ O ₁₄	873.1
2	Doramectin	BIA-D1301	117704-25-3	C ₅₀ H ₇₄ O ₁₄	899.1
3	Emamectin B1a	BIA-E1545	121124-29-6	C ₄₉ H ₇₅ NO ₁₃	886.1
4	Eprinomectin B1a	BIA-E1547	133305-88-1	C ₅₀ H ₇₅ NO ₁₄	914.1
5	Ivermectin B1a	BIA-I1119	70161-11-4	C ₄₈ H ₇₄ O ₁₄	875.1
6	Selamectin	BIA-S1530	220119-17-5	C ₄₃ H ₆₃ NO ₁₁	770.0

Long Term Storage : **-20°C, protect from light**

Stability : **Stable for more than 1 year when stored at -20°C, protected from light**

Short Term Storage : **Stable at ambient temperature for 1-2 weeks, protected from light**

Shipping : **Ambient temperature**

Purity : **Minimum purity of >95% by HPLC**

Solubility : **Methanol, ethanol, DMSO, poor water solubility**

Product Description: Research on the avermectin class of nematocides has spanned 35 years with thousands of analogues reported in the patent and scientific literature. The six analogues in the Avermectin Analogue Set represent pivotal commercial advances in the development of this class, with the analogues displaying a range of physico-chemical properties, potencies and spectrum of action as anthelmintics and acaricides. The Avermectin Analogue Set is a useful tool in addressing current research questions on mode of action, species selectivity and cross resistance within this exciting class of macrocyclic lactones.

Updated: 8 September 2014