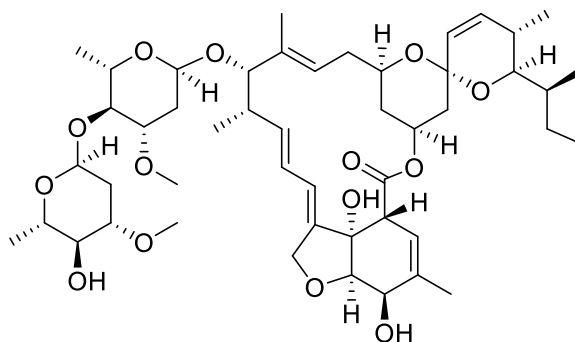


## Avermectin Analogue Set

Code No.: **BIA-MS5007**



Avermectin B1a

### Specifications

The set is available as either a set of 6 x 1mg vials or as a set of 6 x 5mg vials of the following products:

Vial #	Compound	Code No.	CAS #	Mol. Formula	Mol. Wt.
1	Avermectin B1a	BIA-A1010	65195-55-3	C <sub>48</sub> H <sub>72</sub> O <sub>14</sub>	873.1
2	Doramectin	BIA-D1301	117704-25-3	C <sub>50</sub> H <sub>74</sub> O <sub>14</sub>	899.1
3	Emamectin B1a	BIA-E1545	121124-29-6	C <sub>49</sub> H <sub>75</sub> NO <sub>13</sub>	886.1
4	Eprinomectin B1a	BIA-E1547	133305-88-1	C <sub>50</sub> H <sub>75</sub> NO <sub>14</sub>	914.1
5	Ivermectin B1a	BIA-I1119	71827-03-7	C <sub>48</sub> H <sub>74</sub> O <sub>14</sub>	875.1
6	Selamectin	BIA-S1530	220119-17-5	C <sub>43</sub> H <sub>63</sub> NO <sub>11</sub>	770.0

Long Term Storage	:	<b>-20°C, protect from light</b>
Stability	:	<b>3 years when stored at -20°C, protected from light</b>
Shipping	:	<b>Ambient temperature</b>
Purity	:	<b>&gt;95% by HPLC</b>
Solubility	:	<b>Methanol, ethanol, DMSO, poor water solubility</b>

**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.

For in vitro laboratory use only. Not for human or animal use.