

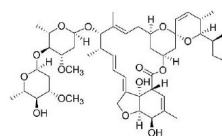
Avermectin Analogue Set

Code No.: BIA-MS5007

Pack sizes.: 1mg, 5mg

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Avermectin B1a

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

Synonyms:

1mg or 5mg of each compound

Specifications

CAS #	: Varied
Molecular Formula	: Varied
Molecular Weight	: Varied
Source	: -
Appearance	: Varied
Purity	: -
Long Term Storage	: -20°C
Solubility	: Methanol, ethanol, DMSO, poor water solubility

Application Notes

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. | 1. Avermectin B1a - (CAS# 65195-55-3) - Molecular Formula: C₄₈H₇₂O₁₄ - Molecular Weight: 873.1 | 2. Doramectin - (CAS# 117704-25-3) - Molecular Formula: C₅₀H₇₄O₁₄ - Molecular Weight: 899.1 | 3. Emamectin B1a - (CAS# 121124-29-6) - Molecular Formula: C₄₉H₇₅NO₁₃ - Molecular Weight: 886.1 | 4. Eprinomectin B1a - (CAS# 133305-88-1) - Molecular Formula: C₅₀H₇₅NO₁₄ - Molecular Weight: 914.1 | 5. Ivermectin B1a - (CAS# 71827-03-7) - Molecular Formula: C₄₈H₇₄O₁₄ - Molecular Weight: 875.1 | 6. Selamectin - (CAS# 220119-17-5) - Molecular Formula: C₄₃H₆₃NO₁₁ - Molecular Weight: 770.0

References