

Milbemycin Analogue Set

Code No.: **BIA-MS5016**

Specifications

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

Vial #	Compound	Code No.	CAS #	Mol. Formula	Mol. Wt.
1	Milbemectin	BIA-M1553	-	-	
2	Milbemycin A3	BIA-M1051	51596-10-2	C ₃₁ H ₄₄ O ₇	528.7
3	Milbemycin A4	BIA-M1052	51596-11-3	C ₃₂ H ₄₆ O ₇	542.3
4	Milbemycin oxime	BIA-M1299	129496-10-2	-	-
5	Milbemycin A3 oxime	BIA-M1531	114177-14-9	C ₃₁ H ₄₃ NO ₇	541.7
6	Milbemycin A4 oxime	BIA-M1532	93074-04-5	C ₃₂ H ₄₅ NO ₇	555.7

- 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: Milbemycins are a class of macrocyclic lactones with acaricidal, nematocidal and insecticidal activity. Milbemycins are related to the avermectins but lack the sugar substituent of the latter class. The six analogues in the Milbemycin Analogue Set represent the two commercial products in this class, milbemectin, an agri-chemical insecticide, and milbemycin oxime, used as an anthelmintic, as well as their respective major components.

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