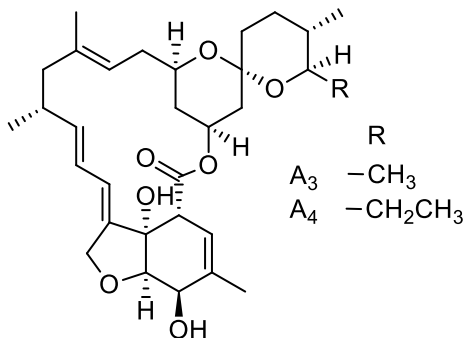


Milbemectin

Code No.: **BIA-M1553**

Pack sizes: **5 mg, 25 mg**



Synonyms :

Specifications

CAS #	: 51596-10-2&51596-11-3
Molecular Formula	: C ₃₂ H ₆₄ O ₇ (for Milbemycin A ₄)
Molecular Weight	: 542.3
Source	: Semi-synthetic
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Milbemectin is a mixture of the two most abundant milbemycin analogues, A₃ and A₄, produced by *Streptomyces hydropiscus* subsp. *aureolarmacrimosus*. Originally defined as a mixture of 30% milbemycin A₃ and 70% milbemycin A₄, our product is specifically blended to meet this specification. Milbemectin is a highly selective and potent insecticide and acaricide used as an agri-chemical for crop protection.

References

1. Milbemycins, a new family of macrolide antibiotics: fermentation, isolation and physico-chemical properties. Takiguchi Y. et al., J Antibiot. 1980, 33, 1120.
2. Milbemycins, a new family of macrolide antibiotics: producing organism and its mutants. Okazaki T. et al., J Antibiot. 1983, 36, 438.