

Milbemectin

Chemical Properties

CAS No. :	1799297-76-9
Formula:	C ₃₁ H ₄₄ O ₇ (A3)andC ₃₂ H ₄₆ O ₇ (A4)
Molecular Weight:	
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Milbemectin is composed of 30% milbemycin A3 and 70% milbemycin A4, exhibiting acaricidal and nematocidal properties effective against adult spider mites, their eggs, and <i>C. elegans</i> , with IC ₅₀ values of 5.3, 41.1, and 9.5 µg/ml, respectively. It functions as an allosteric agonist of the <i>Drosophila</i> RDL GABA receptor, and demonstrates efficacy against the pinewood nematode, <i>B. xylophilus</i> , with an LC ₂₀ of 0.0781 mg/liter.
Targets(IC ₅₀)	Others

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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