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## Product Datasheet

### Milbemectin FBM-10-5257

Article Name	Milbemectin
Biozol Catalog Number	FBM-10-5257
Supplier Catalog Number	10-5257
Alternative Catalog Number	FBM-10-5257-5MG,FBM-10-5257-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	RDL GABA agonist, Glutamate-gated Cl channel activator...
Molecular Weight	542.71 (A4)
Purity	>98% HPLC, Milbemectin is a mixture of Milbemycin A3 (~30%) and Milbemycin A4 (~70%) NMR (Conforms)
Form	White solid
CAS Number	[1799297-76-9]
Formula	C32H46O7 (A4)
Application Notes	An allosteric agonist at the Drosophila RDL GABA receptor. <sup>1,2</sup> Also acts as an agonist at glutamate-gated chloride channels in insects. <sup>3</sup> Mutations (specifically a G326E substitution) in the glutamate-gated chloride channel 3 (GluCl3) in phytophagous mites abolishes agonist activity resulting in resistance. <sup>4</sup> Commercially used as an acaricide.