

<b>Product Name:</b>	Milbemycin oxime
<b>Product Number:</b>	M015
<b>CAS Number:</b>	129496-10-2
<b>Molecular Formula:</b>	Milbemycin A3 - $C_{31}H_{43}NO_7$ Milbemycin A4 - $C_{32}H_{45}NO_7$
<b>Molecular Weight:</b>	541.7 (A3), 555.7 (A4)
<b>Appearance:</b>	White or light yellow powder
<b>Solubility:</b>	Very soluble in anhydrous ethanol and ethyl acetate
<b>Source:</b>	Semi-synthetic
<b>Storage Conditions:</b>	$\leq 30^{\circ}C$
<b>Description:</b>	Milbemycin oxime is a broad spectrum antiparasitic compound with activity against insects, mites, and worms. Milbemycin oxime is composed of a mixture of two related compounds - Milbemycin A3 and A4.
<b>Mechanism of Action:</b>	Milbemycin oxime inhibits fungal growth by inhibiting ATP-binding cassette (ABC) transporters.
<b>Spectrum:</b>	Milbemycin oxime is active against fungal pathogens <i>Candida albicans</i> , <i>Candida glabrata</i> , and parasitic worms, insects, and mites.
<b>References:</b>	Silva, Luis Vale. "Milbemycins: More than Efflux Inhibitors for Fungal Pathogens." <i>American Society for Microbiology</i> 57 (n.d.): 873-886. Web. 27 Jan. 2016.