Milbemycin Oxime Antibiotic

PRODUCT OVERVIEW

Product Name	Milbemycin Oxime, Antibiotic
Full Product Name	Milbemycin Oxime
Form/Format	Supplied as a white solid.
Purity/Purification	Highly Purified ~95% (HPLC)
Preparation and Storage	Lyophilized powder may be stored at -20 degree C. Stable for 12 months at -20 degree C. Reconstitute with DMSO. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	~541.7, ~555.7
CAS Number	129496-10-2
Molecular Formula	C31H43NO7 & C32H45NO7
Solubility	Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.
Product Categories/Family for Milbemycin Oxime antibiotic	Biochemicals; Biochem-Antibiotics
Related Product Information for Milbemycin Oxime antibiotic	Milbemycin oxime is a semi-synthetic macrocyclic lactone prepared by the oxidation and oximation of a mixture of two natural products, milbemycin A3 and A4 (in ~70: 30 ratio). Moxidectin oxime, marketed as Interceptor, is used therapeutically for the prevention of intestinal parasites in dogs. Like the other milbemycin/avermectins, it was developed for intestinal parasite control in animals and acts by opening glutamate sensitive chloride channels in neurons of invertebrates leading to paralysis by hyperpolarisation of these cells and signal transfer blocking.
Other Notes	Small volumes of Milbemycin Oxime antibiotic vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Milbemycin Oxime purchase	MBS651282 is an antibiotic targeting Milbemycin Oxime.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/antibiotic/milbemycin-oxime/651282