

Ivermectin B1a monosaccharide PRODUCT DATA SHEET

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Product Name:	Ivermectin B1a monosaccharide
Product Number:	I027
CAS Number:	123997-64-8
Molecular Formula:	$C_{41}H_{62}O_{11}$
Molecular Weight:	730.9
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>Ivermectin monosaccharide is a semi-synthetic produced by selective hydrolysis of the terminal saccharide unit of ivermectin. Ivermectin monosaccharide is a potent inhibitor of nematode larval development, but is devoid of paralytic activity. The monosaccharide is used as a sensitive probe for the detection of some types of ivermectin resistance.</p> <p>Ivermectin monosaccharide is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</p>
References:	<p>Ivermectin, a new broad-spectrum antiparasitic agent. Chabala J.C. et al. J. Med. Chem. 1980, 23, 1134.</p> <p>Detection of resistance to ivermectin in Haemonchus contortus. Gill J.G. et al. Int. J. Parasit. 1991, 21, 771.</p>

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