

Product Name:	Spinosyn D
Product Number:	S087
CAS Number:	131929-63-0
Molecular Formula:	C ₄₂ H ₆₇ NO ₁₀
Molecular Weight:	746.0
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>Spinosyn D is the second most abundant component (comprising up to 15%) of the spinosyn fermentation complex of macrocyclic lactones. Spinosyn D is a more hydrophobic analogue, and is a potent insecticide for crop pathogens and ectoparasite control on animals, albeit less active than spinosyn A. The spinosyns have a unique mechanism of action involving disruption of nicotinic acetylcholine receptors.</p> <p>Spinosyn D is soluble in ethanol, methanol, DMF and DMSO.</p>
References:	<p>A 83543A-D, unique fermentation-derived tetracyclic macrolides. Kirst H.A. et al. Tetrahedron Lett. 1991, 32, 4839.</p> <p>The spinosyn family of insecticides: realizing the potential of natural products research. Kirst H.A. J. Antibiot. 2010, 63, 101.</p>