



Tetranactin PRODUCT DATA SHEET

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Product Name:	Tetranactin
Product Number:	T085
CAS Number:	33956-61-5
Molecular Formula:	$C_{44}H_{72}O_{12}$
Molecular Weight:	793.0
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>Tetranactin is a member of the macrotetrolide complex produced by a range of <i>Streptomyces</i> sp.. Unlike the other macrotetrolides, tetranactin exhibits potent insecticidal activity.</p> <p>Tetranactin is soluble in ethanol, methanol, DMF and DMSO.</p>
Mechanism of Action:	<p>Like the other members of the macrotetrolide family, tetranactin is thought to act as a monovalent cation ionophore with high selectivity for ammonium and potassium.</p>
References:	<p>Tetranactin, a new miticidal antibiotic I. Isolation, characterisation and properties of tetranactin. Ando K. et al. <i>J. Antibiot.</i> 1971, 24, 347.</p> <p>Tetranactin, a new miticidal antibiotic. II. Structure of Tetranactin. Ando K. et al. <i>J. Antibiot.</i> 1971, 24, 418.</p>

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