Product Name: Spinosyn A
Product Number: S084
CAS Number: 131929-60-7
Molecular Formula: \( \text{C}_{41}\text{H}_{65}\text{NO}_{10} \)
Molecular Weight: 732.0
Appearance: White solid
Storage Conditions: -20°C

Description:
Spinosyn A is the major component of a complex of unusual, hydrophobic macrocyclic lactones isolated from Saccharopolyspora spinosa in 1991. The 12-membered macrocyclic lactone is fused to form a rare 12-5-6-5 tetracyclic ring system, with the macrocycle and the terminal cyclopentane bearing glycosides. Spinosyn A is a potent insecticide for crop pathogens and ectoparasite control on animals. The spinosyns have a unique mechanism of action involving disruption of nicotinic acetylcholine receptors.

Spinosyn A is soluble in ethanol, methanol, DMF and DMSO.

References:


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