

Spirodiclofen

Chemical Properties

CAS No. :	148477-71-8
Formula:	C ₂₁ H ₂₄ Cl ₂ O ₄
Molecular Weight:	411.32
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Spirodiclofen (BAJ-2740) is a selective, non-systemic acaricide from the new chemical class of tetronic acid derivatives, with no cross resistance to currently available acaricides and with additional insecticidal properties.
Targets(IC50)	Parasite

Solubility Information

Solubility	DMSO: 120 mg/mL (291.74 mM), Sonication is recommended. Ethanol: 120 mg/mL (291.74 mM), Sonication is recommended. (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4312 mL	12.156 mL	24.312 mL
5 mM	0.4862 mL	2.4312 mL	4.8624 mL
10 mM	0.2431 mL	1.2156 mL	2.4312 mL
50 mM	0.0486 mL	0.2431 mL	0.4862 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

De Maeyer L, et al. The multiple target use of spirodiclofen (Envidor 240 SC) in IPM pomefruit in Belgium. Commun Agric Appl Biol Sci. 2009;74(1):225-232.

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