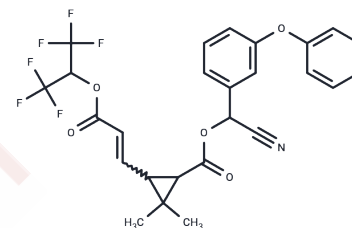


Acrinathrin

Chemical Properties

CAS No. :	103833-18-7
Formula:	C ₂₆ H ₂₁ F ₆ NO ₅
Molecular Weight:	541.446
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Acrinathrin is a pyrethroid used as an insecticide and an acaricide. Although resistance is developing, Acrinathrin is used to control the mite <i>Varroa jacobsoni</i> in beekeeping.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8469 mL	9.2345 mL	18.4689 mL
5 mM	0.3694 mL	1.8469 mL	3.6938 mL
10 mM	0.1847 mL	0.9234 mL	1.8469 mL
50 mM	0.0369 mL	0.1847 mL	0.3694 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Kamler M, Nesvorna M, Stara J, Erban T, Hubert J. Comparison of tau-fluvalinate, acrinathrin, and amitraz effects on susceptible and resistant populations of *Varroa destructor* in a vial test. *Exp Appl Acarol.* 2016 May;69(1):1-9. doi: 10.1007/s10493-016-0023-8. Epub 2016 Feb 24. PubMed PMID: 26910521.
- Cifuentes D, Chynoweth R, Guillén J, De la Rúa P, Bielza P. Novel cytochrome P450 genes, CYP6EB1 and CYP6EC1, are over-expressed in acrinathrin-resistant *Frankliniella occidentalis* (Thysanoptera: Thripidae). *J Econ Entomol.* 2012 Jun;105(3):1006-18. PubMed PMID: 22812142.
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- Bielza P, Fernández E, Grávalos C, Abellán J. Carbamates synergize the toxicity of acrinathrin in resistant western flower thrips (Thysanoptera: Thripidae). *J Econ Entomol.* 2009 Feb;102(1):393-7. PubMed PMID: 19253660.

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