

## Flucythrinate

## Chemical Properties

CAS No.:	70124-77-5
Formula:	C <sub>26</sub> H <sub>23</sub> F <sub>2</sub> NO <sub>4</sub>
Molecular Weight:	451.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	Flucythrinate is an insecticide.
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## Solubility Information

Solubility	DMSO: Soluble ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.215 mL	11.075 mL	22.150 mL
5 mM	0.443 mL	2.215 mL	4.430 mL
10 mM	0.221 mL	1.107 mL	2.215 mL
50 mM	0.044 mL	0.221 mL	0.443 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Nakata M, Fukushima A, Ohkawa H. A monoclonal antibody-based ELISA for the analysis of the insecticide flucythrinate in environmental and crop samples. *Pest Manag Sci*. 2001 Mar;57(3):269-77. PubMed PMID: 11455657.
2. Raju RV, Naidu RR. Spectrophotometric determination of flucythrinate (synthetic pyrethroid) using phenylhydrazines. *Talanta*. 1994 May;41(5):761-4. PubMed PMID: 18965996.
3. Crofton KM, Reiter LW. The effects of type I and II pyrethroids on motor activity and the acoustic startle response in the rat. *Fundam Appl Toxicol*. 1988 May;10(4):624-34. PubMed PMID: 3396790.
4. Hao XL, Kuang H, Li YL, Yuan Y, Peng CF, Chen W, Wang LB, Xu CL. Development of an enzyme-linked immunosorbent assay for the alpha-cyano pyrethroids multiresidue in Tai lake water. *J Agric Food Chem*. 2009 Apr 22;57(8):3033-9. doi: 10.1021/jf803807b. PubMed PMID: 19368347.

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