

Chlorfenapyr

Chemical Properties

CAS No.:	122453-73-0
Formula:	C ₁₅ H ₁₁ BrClF ₃ N ₂ O
Molecular Weight:	407.62
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Chlorfenapyr is a pyrrole insecticide.
-------------	--

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.453 mL	12.266 mL	24.533 mL
5 mM	0.491 mL	2.453 mL	4.907 mL
10 mM	0.245 mL	1.227 mL	2.453 mL
50 mM	0.049 mL	0.245 mL	0.491 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. Yuan JZ, Li QF, Huang JB, Gao JF. Effect of chlorfenapyr on cypermethrin-resistant *Culex pipiens pallens* Coq mosquitoes. *Acta Trop.* 2015 Mar;143:13-7. doi: 10.1016/j.actatropica.2014.12.002. Epub 2014 Dec 12. PubMed PMID: 25497774.
2. Oxborough RM, N'Guessan R, Jones R, Kitau J, Ngufor C, Malone D, Mosha FW, Rowland MW. The activity of the pyrrole insecticide chlorfenapyr in mosquito bioassay: towards a more rational testing and screening of non-neurotoxic insecticides for malaria vector control. *Malar J.* 2015 Mar 24;14:124. doi: 10.1186/s12936-015-0639-x. PubMed PMID: 25879231; PubMed Central PMCID: PMC4390098.
3. Huang JX, Liu CY, Lu DH, Chen JJ, Deng YC, Wang FH. Residue behavior and risk assessment of mixed formulation of imidacloprid and chlorfenapyr in chieh-qua under field conditions. *Environ Monit Assess.* 2015 Oct;187(10):650. doi: 10.1007/s10661-015-4846-2. Epub 2015 Sep 28. PubMed PMID: 26412080.
4. Verma V, Elamathi N, Velamuri PS, Sreehari U, Agrawal OP, Raghavendra K. Chlorfenapyr: irritant effect compared to other insecticides and its intrinsic toxicity in multiple-insecticide-susceptible and -resistant *Anopheles stephensi* (Diptera: Culicidae). *J Vector Borne Dis.* 2015 Mar;52(1):99-103. PubMed PMID: 25815874.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481