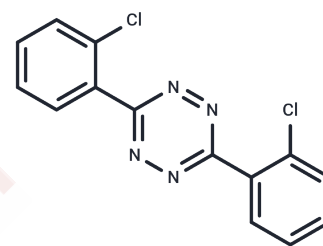


Clofentezine

Chemical Properties

CAS No. :	74115-24-5
Formula:	C ₁₄ H ₈ Cl ₂ N ₄
Molecular Weight:	303.15
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Clofentezine (Apollo) is an active substance of plant protection product used as the pesticide, acaricide.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 8.33 mg/mL (27.49 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	3.2987 mL	16.4935 mL	32.987 mL
5 mM	0.6597 mL	3.2987 mL	6.5974 mL
10 mM	0.3299 mL	1.6493 mL	3.2987 mL
50 mM	0.066 mL	0.3299 mL	0.6597 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

- Marcic D. The effects of clofentezine on life-table parameters in two-spotted spider mite *Tetranychus urticae*. *Exp Appl Acarol.* 2003;30(4):249-63.
- Peter Demaeght, et al. High resolution genetic mapping uncovers chitin synthase-1 as the target-site of the structurally diverse mite growth inhibitors clofentezine, hexythiazox and etoxazole in *Tetranychus urticae*. *Insect Biochem Mol Biol.* 2014 Aug; 51: 52-61.
- Li D, et al. Assessment of sublethal effects of clofentezine on life-table parameters in Hawthorn spider mite (*Tetranychus viennensis*). *Exp Appl Acarol.* 2006;38(4):255-73.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481