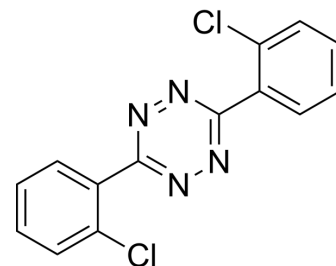


Clofentezine

Cat. No.:	HY-B2066		
CAS No.:	74115-24-5		
Molecular Formula:	C ₁₄ H ₈ Cl ₂ N ₄		
Molecular Weight:	303.15		
Target:	Parasite		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (41.23 mM; ultrasonic and warming and heat to 80°C)					
		Solvent Concentration	Mass			
	Preparing Stock Solutions			1 mg	5 mg	10 mg
		1 mM		3.2987 mL	16.4935 mL	32.9870 mL
5 mM			0.6597 mL	3.2987 mL	6.5974 mL	
	10 mM		0.3299 mL	1.6493 mL	3.2987 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (4.12 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Clofentezine is a growth inhibitor that is highly lethal to mites ^{[1][2]} .
IC ₅₀ & Target	Mite

REFERENCES

- [1]. Marcic D, et al. The effects of clofentezine on life-table parameters in two-spotted spider mite *Tetranychus urticae*. *Exp Appl Acarol.* 2003;30(4):249-63.
- [2]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA