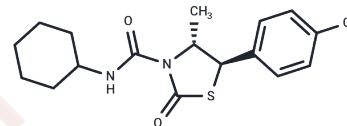


## Hexythiazox

## Chemical Properties

CAS No. :	78587-05-0
Formula:	C <sub>17</sub> H <sub>21</sub> ClN <sub>2</sub> O <sub>2</sub> S
Molecular Weight:	352.88
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Hexythiazox is a mite growth regulator and a thiazolidine based acaricide that has long-lasting effects against many kinds of mites and is applied at any stage of the plant growth from budding to fruiting.
Targets(IC50)	Parasite

## Solubility Information

Solubility	DMSO: 60 mg/mL (170.03 mM), Sonication is recommended. H <sub>2</sub> O: insoluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8338 mL	14.1691 mL	28.3382 mL
5 mM	0.5668 mL	2.8338 mL	5.6676 mL
10 mM	0.2834 mL	1.4169 mL	2.8338 mL
50 mM	0.0567 mL	0.2834 mL	0.5668 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

Yorulmaz Salman S, et al. Effect of hexythiazox and spiromesifen resistance on the life cycle of the predatory mite *Neoseiulus californicus* (Acari: Phytoseiidae). *Exp Appl Acarol.* 2014 Oct;64(2):245-52.  
Martini X, et al. Quantitative impact assessment of spray coverage and pest behavior on contact pesticide performance. *Pest Manag Sci.* 2012 Nov;68(11):1471-7.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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