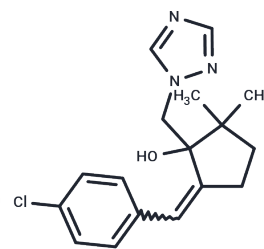


## Triticonazole

## Chemical Properties

CAS No. :	131983-72-7
Formula:	C <sub>17</sub> H <sub>20</sub> ClN <sub>3</sub> O
Molecular Weight:	317.81
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Triticonazole is a triazole pesticide and fungicide. Triticonazole shows endocrine disrupting activities.
Targets(IC50)	Antifungal

## Solubility Information

Solubility	DMSO: 55 mg/mL (173.06 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (15.73 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1465 mL	15.7327 mL	31.4653 mL
5 mM	0.6293 mL	3.1465 mL	6.2931 mL
10 mM	0.3147 mL	1.5733 mL	3.1465 mL
50 mM	0.0629 mL	0.3147 mL	0.6293 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Mir Ali Farajzadeh, et al. Coupling Stir Bar Sorptive Extraction-Dispersive Liquid-Liquid Microextraction for Preconcentration of Triazole Pesticides From Aqueous Samples Followed by GC-FID and GC-MS Determinations. J Sep Sci. 2010 Jun;33(12):1816-28.

Monica Kam Draskau, et al. In Vitro and in Vivo Endocrine Disrupting Effects of the Azole Fungicides Triticonazole and Flusilazole. Environ Pollut. 2019 Dec;255(Pt 2):113309.

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