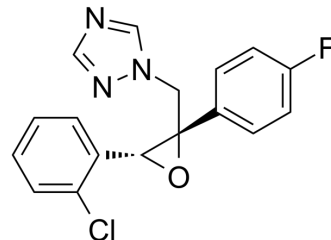


Epoxiconazole

Cat. No.:	HY-119683		
CAS No.:	133855-98-8		
Molecular Formula:	C ₁₇ H ₁₃ ClFN ₃ O		
Molecular Weight:	329.76		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (303.25 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.0325 mL	15.1625 mL	30.3251 mL
5 mM	0.6065 mL	3.0325 mL	6.0650 mL
10 mM	0.3033 mL	1.5163 mL	3.0325 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Epoxiconazole, a fungicide, is a demethylation inhibitor of the Ergosterol biosynthesis pathway. Epoxiconazole exhibits strong inhibitory effects on both carbendazim-resistant and phenamacril-resistant isolates, and can be used for controlling many crop diseases^[1].

REFERENCES

[1]. Yabing Duan, et al. Impact of Epoxiconazole on Fusarium Head Blight Control, Grain Yield and Deoxynivalenol Accumulation in Wheat. Pestic Biochem Physiol. 2018 Nov;152:138-147.

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