



Product Information

Product ID D3320

CAS No. 119446-68-3

Chemical Name 1-((2-(2-chloro-4-(4-chlorophenoxy)phenyl)-4-methyl-1,3-dioxolan-2-yl)methyl)-1H-1,2,4-triazole

Synonym

Formula C₁₉H₁₇Cl₂N₃O₃

Formula Wt. 406.26

Melting Point 76 °C

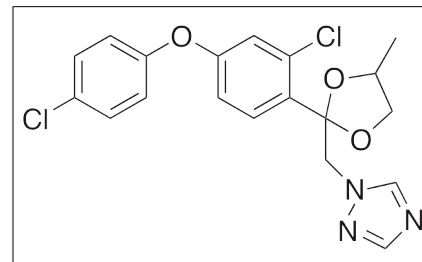
Purity ≥98%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Difenoconazole is a triazole pesticide/fungicide with broad antifungal activity. Like many azole fungicides, difenoconazole likely inhibits 14- α demethylase, preventing ergosterol production and fungal cell wall synthesis. Additionally, difenoconazole may inhibit aromatase.



Bulk quantities available upon request

Product ID	Size
D3320	5 g
D3320	10 g
D3320	100 g

References Kjærstad MB, Taxvig C, Nellemann C, et al. Endocrine disrupting effects in vitro of conazole antifungals used as pesticides and pharmaceuticals. *Reprod Toxicol.* 2010 Dec;30(4):573-82. PMID: 20708073.

Hinfray N, Porcher JM, Brion F. Inhibition of rainbow trout (*Oncorhynchus mykiss*) P450 aromatase activities in brain and ovarian microsomes by various environmental substances. *Comp Biochem Physiol C Toxicol Pharmacol.* 2006 Nov;144(3):252-62. PMID: 17081805.

Sanderson JT, Boerma J, Lansbergen GW, et al. Induction and inhibition of aromatase (CYP19) activity by various classes of pesticides in H295R human adrenocortical carcinoma cells. *Toxicol Appl Pharmacol.* 2002 Jul 1;182(1):44-54. PMID: 12127262.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.