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Produktinformation

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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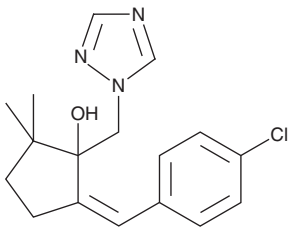
PRODUCT INFORMATION

Triticonazole

Item No. 18726

CAS Registry No.:	131983-72-7
Formal Name:	5-[(4-chlorophenyl)methylene]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)-cyclopentanol
MF:	$C_{17}H_{20}ClN_3O$
FW:	317.8
Purity:	≥95%
UV/Vis.:	λ_{max}: 263 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Triticonazole is supplied as a crystalline solid. A stock solution may be made by dissolving the triticonazole in the solvent of choice, which should be purged with an inert gas. Triticonazole is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of triticonazole in these solvents is approximately 30 mg/ml.

Triticonazole is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, triticonazole should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. Triticonazole has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Triticonazole is a triazole fungicide used for the control of common soil and seed-borne diseases on cereals and other crops.[1] The antifungal effects of triticonazole are due to its ability to inhibit ergosterol biosynthesis.[1]

Reference

1. Zarn, J.A., Brüschweiler, B.J., and Schlatter, J.R. Azole fungicides affect mammalian steroidogenesis by inhibiting sterol 14 α-demethylase and aromatase. *Environ. Health Perspect.* **111(3)**, 255-261 (2003).

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