



LKT Laboratories, Inc.

Hexaconazole

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Product Information

Product ID H1992

CAS No. 79983-71-4

Chemical Name

Synonym

Formula $C_{14}H_{17}Cl_2N_3O$

Formula Wt. 314.21

Melting Point

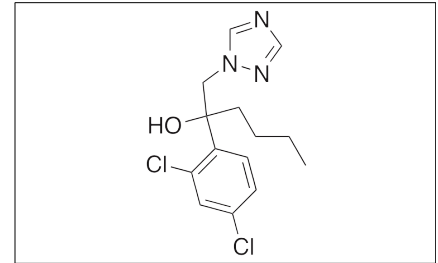
Purity $\geq 95\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Hexaconazole is a triazole antifungal pesticide; it acts as a demethylation inhibitor, preventing sterol biosynthesis and disrupting membrane function. Hexaconazole may also display other activities, as it induces production of apigenin-7-glucoside and other antioxidative compounds in chamomile plants and exhibits cytotoxic and mutagenic effects when administered to lymphocytes and bone marrow cells in vitro. Additionally, hexaconazole inhibits the dehydrogenase system and growth of nitrogen-fixing bacteria in soil.



Bulk quantities available upon request

Product ID Size

H1992 500 mg

H1992 5 g

H1992 25 g

References Hojati M, Modarres-Sanavy SA, Ghanati F, et al. Hexaconazole induces antioxidant protection and apigenin-7-glucoside accumulation in *Matricaria chamomilla* plants subjected to drought stress. *J Plant Physiol.* 2011 May 15;168(8):782-91. PMID: 21208683.

Yilmaz S, Aksoy H, Unal F, et al. Genotoxic action of fungicide Conan 5FL (hexaconazole) on mammalian cells in vivo and in vitro. *Genetika.* 2008 Mar;44(3):323-8. PMID: 18664135.

Kalam A, Mukherjee AK. Influence of hexaconazole, carbofuran and ethion on soil microflora and dehydrogenase activities in soil and intact cell. *Indian J Exp Biol.* 2001 Jan;39(1):90-4. PMID: 11349536.

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