



LKT Laboratories, Inc.

Bitertanol

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Product Information

Product ID B3577

CAS No. 55179-31-2

Chemical Name 3,3-dimethyl-1-(4-phenylphenoxy)-1-(1,2,4-triazol-1-yl)butan-2-ol

Synonym

Formula $C_{20}H_{23}N_3O_2$

Formula Wt. 337.42

Melting Point

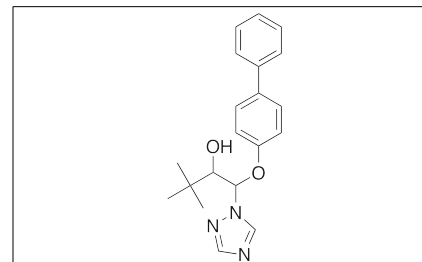
Purity $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Bitertanol is an antifungal pesticide; it acts as a demethylation inhibitor, preventing sterol biosynthesis and disrupting membrane function. Bitertanol increases glutathione-S-transferase activity in the liver of rats, displaying potential antioxidative activity. Additionally, bitertanol alters operant behavior (but not motor activity) in animal models.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B3577	1 g	\$43.40
B3577	5 g	\$138.60
B3577	25 g	\$432.60

References Chan PK, Lu SY, Liao JW, et al. Induction and inhibition of cytochrome P450-dependent monooxygenases of rats by fungicide bitertanol. Food Chem Toxicol. 2006 Dec;44(12):2047-57. PMID: 16971034.

Allen AR, MacPhail RC. Bitertanol, a triazole fungicide, increases operant responding but not motor activity. Neurotoxicol Teratol. 1993 Jul-Aug;15(4):237-42. PMID: 8413077.

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