



LKT Laboratories, Inc.

Fenticonazole Nitrate

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Product Information

Product ID F1854

CAS No. 73151-29-8

Chemical Name

Synonym

Formula $C_{24}H_{20}Cl_2N_2OS \cdot HNO_3$

Formula Wt. 518.41

Melting Point $136^{\circ}C$

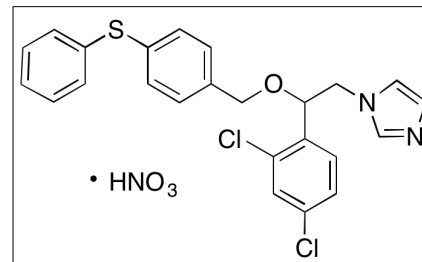
Purity $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Fenticonazole is an imidazole derivative that exhibits antifungal, antibacterial, and anti-parasitic activities. Fenticonazole inhibits secretion of proteinase, potentially through antagonism of glucosamine-6-phosphate synthase; it also damages fungal cytoplasmic membranes and inhibits cytochrome oxidases and peroxidases. Fenticonazole displays antimicrobial activity against a variety of organisms, including species of *Candida*, *Trichomonas*, and gram positive bacteria. This compound may inhibit 14- α demethylase.



Bulk quantities available upon request

Product ID	Size
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F1854	100 mg
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F1854	250 mg
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F1854	1 g
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References Veraldi S, Milani R. Topical fenticonazole in dermatology and gynaecology: current role in therapy. *Drugs*. 2008;68(15):2183-94. PMID: 18840006.

Fernández-Alba J, Valle-Gay A, Dibildox M, et al. Fenticonazole nitrate for treatment of vulvovaginitis: efficacy, safety, and tolerability of 1-gram ovules, administered as ultra-short 2-day regimen. *J Chemother*. 2004 Apr;16(2):179-86. PMID: 15216954.

Palacín C, Tarragó C, Agut J, et al. In vitro activity of sertaconazole, fluconazole, ketoconazole, fenticonazole, clotrimazole and itraconazole against pathogenic vaginal yeast isolates. *Methods Find Exp Clin Pharmacol*. 2001 Mar;23(2):61-4. PMID: 11484411.

Milewski S, Mignini F, Covelli I, et al. Specific inhibition of acid proteinase secretion in *Candida albicans* by Lys-Nva-FMDP. *J Med Vet Mycol*. 1994;32(1):1-11. PMID: 8207618.

Graziani G, Cazzulani P. Irritation and toxicity studies with fenticonazole applied topically to the skin and mucous membranes. *Arzneimittelforschung*. 1981;31(12):2152-4. PMID: 7199317.

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