

Product Information

Product ID F1854

CAS No. 73151-29-8

Chemical Name 1-[2-(2,4-dichlorophenyl)-2-[(4-phenylsulfonylphenyl)methoxy]ethyl]imidazole;nitric acid

Synonym Lomexin

Formula $\text{C}_{24}\text{H}_{20}\text{Cl}_2\text{N}_2\text{OS} \cdot \text{HNO}_3$

Formula Wt. 518.41

Melting Point 136°C

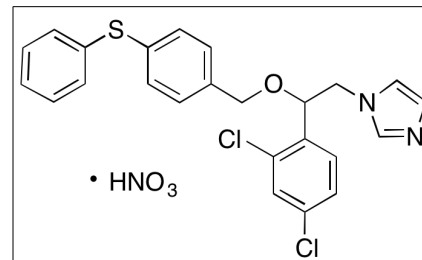
Purity $\geq 98\%$

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 <i>Candida</i> , <i>Trichomonas</i> , and gram positive bacteria. This compound may inhibit 14- α demethylase.
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Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
F1854	100 mg	\$71.70
F1854	250 mg	\$114.90
F1854	1 g	\$359.70

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.