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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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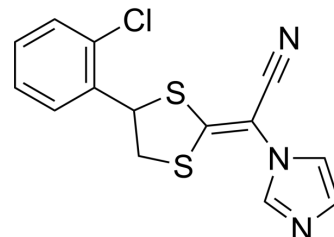
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Lanoconazole (Standard)

Cat. No.:	HY-14282R
CAS No.:	101530-10-3
Molecular Formula:	C ₁₄ H ₁₀ ClN ₃ S ₂
Molecular Weight:	319.83
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Lanoconazole (Standard) is the analytical standard of Lanoconazole. This product is intended for research and analytical applications. Lanoconazole is a potent and orally active imidazole antifungal agent, shows a broad spectrum of activity against fungi in vitro and in vivo ^[1] . Lanoconazole interferes with ergosterol biosynthesis by inhibiting sterol 14-alpha demethylase and blocking fungal membrane ergosterol biosynthesis. Lanoconazole can be used for the investigation of dermatophytosis and onychomycosis ^{[1][2]} .
IC₅₀ & Target	IC50: antifungal ^[1]

REFERENCES

- [1]. Shokoohi GR, et al. In Vitro Activities of Luliconazole, Lanoconazole, and Efinaconazole Compared with Those of Five Antifungal Drugs against Melanized Fungi and Relatives. *Antimicrob Agents Chemother.* 2017 Oct 24;61(11). pii: e00635-17.
- [2]. Nakamura A, et al. Anti-inflammatory effect of lanoconazole on 12-O-tetradecanoylphorbol-13-acetate- and 2,4,6-trinitrophenyl chloride-induced skin inflammation in mice. *Mycoses.* 2020 Feb;63(2):189-196.
- [3]. Furukawa K, et al. Lanoconazole, a new imidazole antimycotic compound, protects MAIDS mice against encephalitis caused by *Cryptococcus neoformans*. *J Antimicrob Chemother.* 2000 Sep;46(3):443-50.

Caution: Product has not been fully validated for medical applications. For research use only.

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