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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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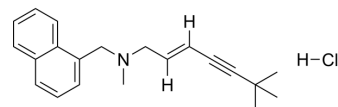
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Terbinafine hydrochloride (Standard)

Cat. No.:	HY-17395R
CAS No.:	78628-80-5
Molecular Formula:	C ₂₁ H ₂₆ ClN
Molecular Weight:	327.89
Target:	Fungal; Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Terbinafine hydrochloride (Standard) is the analytical standard of Terbinafine hydrochloride. This product is intended for research and analytical applications. Terbinafine hydrochloride (TDT 067 hydrochloride) is an orally active and potent antifungal agent. Terbinafine hydrochloride is a potent non-competitive inhibitor of squalene epoxidase from <i>Candida</i> , with a K _i of 30 nM. Terbinafine hydrochloride also shows antibacterial activity against certain Gram-positive and Gram-negative bacteria ^{[1][2][3]} . Terbinafine hydrochloride is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
IC₅₀ & Target	Ki: 30 nM (squalene epoxidase) ^[1]

REFERENCES

- [1]. Ryder NS, et al. Terbinafine: mode of action and properties of the squalene epoxidase inhibition. *Br J Dermatol.* 1992 Feb;126 Suppl 39:2-8.
- [2]. Mieth H, et al. Preclinical evaluation of terbinafine in vivo. *Clin Exp Dermatol.* 1989 Mar;14(2):104-8.
- [3]. Ciftci E, et al. Mupirocin vs terbinafine in impetigo. *Indian J Pediatr.* 2002 Aug;69(8):679-82.

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

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