



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

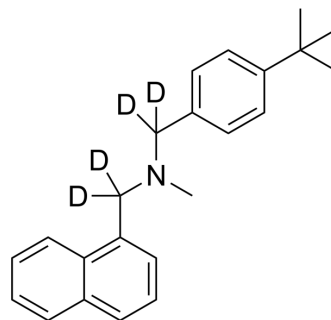
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Butenafine-d₄

Cat. No.:	HY-114518S2
CAS No.:	1653964-70-5
Molecular Formula:	C ₂₃ H ₂₃ D ₄ N
Molecular Weight:	321.49
Target:	Fungal; Isotope-Labeled Compounds
Pathway:	Anti-infection; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Butenafine-d₄ (KP363-d₄) is the deuterium labeled Butenafine (HY-114518). Butenafine (KP363) is a potent and broad spectrum benzylamine antifungal agent^[1]. Butenafine inhibits fungal ergosterol biosynthesis at the point of squalene epoxidation, leading to a deficiency of the fungal cell membranes. Butenafine is effective against dermatophytes infections, such as ?tinea pedis, ?tinea cruris, tinea versicolor^{[1][2]}.

REFERENCES

- [1]. Katrina Kokjohn, et al. Evaluation of in vitro activity of ciclopirox olamine, butenafine HCl and econazole nitrate against dermatophytes, yeasts and bacteria. *Int J Dermatol*. 2003 Sep;42 Suppl 1:11-7.
- [2]. Adriana Bezerra-Souza, et al. The antifungal compound butenafine eliminates promastigote and amastigote forms of *Leishmania (Leishmania) amazonensis* and *Leishmania (Viannia) braziliensis*. 2016 Dec;65(6 Pt A):702-707.
- [3]. Topical Antifungal Agent. Butenafine

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA