SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

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

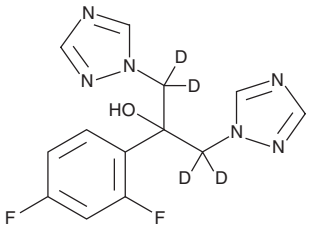
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

Fluconazole-d_4

Item No. 18252

CAS Registry No.:	1124197-58-5
Formal Name:	α-(2,4-difluorophenyl)-α-(1H-1,2,4-triazol-1-ylmethyl-d_2)-1H-1,2,4-triazole-1-ethan-β,β-d_2-ol
MF:	$C_{13}H_8D_4F_2N_6O$
FW:	310.3
Chemical Purity:	≥98% (Fluconazole)
Deuterium Incorporation:	≥99% deuterated forms (d_1-d_4); ≤1% d_0
Supplied as:	A solid
Storage:	-20°C
Stability:	≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Fluconazole-d_4 is intended for use as an internal standard for the quantification of fluconazole (Item No. 11594) by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated *versus* unlabeled).

Fluconazole-d_4 is supplied as a solid. A stock solution may be made by dissolving the fluconazole-d_4 in the solvent of choice. Fluconazole-d_4 is soluble in organice solvents such as ethanol and DMSO, which should be purged with an inert gas.

Description

Fluconazole is a triazole antifungal agent that is effective against most *Candida* strains.[1] *In vivo*, fluconazole at 0.5-100 mg/kg demonstrates protective activity in various experimental animal models of systemic fungal diseases including aspergillosis, blastomycosis, candidiasis, coccidioidomycosis, cryptococcosis, and histoplasmosis.[2]

References

1. Herbrecht, R., Nivoix, Y., Fohrer, C., *et al.* Management of systemic fungal infections: Alternatives to itraconazole. *J. Antimicrob. Chemother.* **56(Suppl 1)**, i39-i48 (2005).
2. Saag, M.S. and Dismukes, W.E. Azole antifungal agents: Emphasis on new triazoles. *Antimicrob. Agents Chemother.* **32(1)**, 1-8 (1988).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM