

Certificate of Analysis

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Product Name: Voriconazole

Catalog No.: 3760

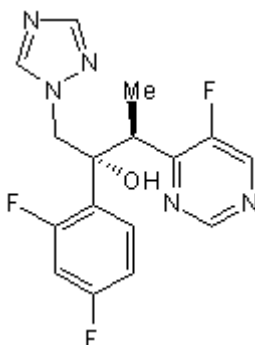
Batch No.: 1

CAS Number: 137234-62-9

IUPAC Name: (2*R*,3*S*)-2-(2,4-Difluorophenyl)-3-(5-fluoro-4-pyrimidinyl)-1-((1*H*)-1,2,4-triazol-1-yl)-butan-2-ol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₄F₃N₅O
Batch Molecular Weight: 349.31
Physical Appearance: White solid
Solubility: DMSO to 100 mM
ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: [α]_D = -60 (Concentration = 1, Solvent = Methanol)
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	55.01	4.04	20.05
Found	55.03	4.03	19.93

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Triazole antifungal agent. Displays potent activity against *Candida*, *Cryptococcus* and *Aspergillus* species.

Physical and Chemical Properties:

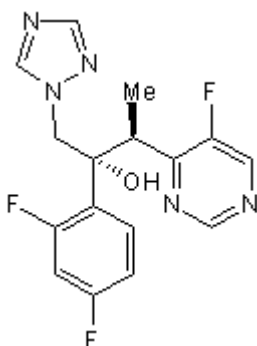
Batch Molecular Formula: C₁₆H₁₄F₃N₅O

Batch Molecular Weight: 349.31

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Marco et al (1998) In vitro activities of voriconazole (UK-190-496) and four other antifungal agents against 394 clinical isolates of *Candida* spp. *Antimicrob. Agents Chemother.* **42** 161. PMID: 9449278.

Kappe (1999) Antifungal activity of the new azole UK-109,496 (voriconazole). *Mycoses* **42** 82.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956