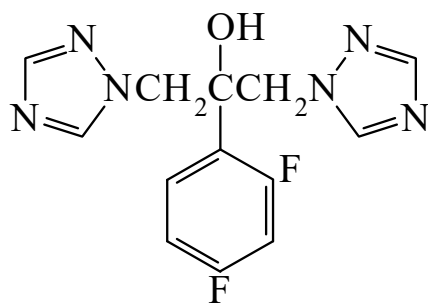




>>Entry Name: Fluconazole, BAN, INN, JAN, USAN

Synonym(s): α -(2,4-Difluorophenyl)- α -(1*H*-1,2,4-triazol-1-ylmethyl)-1*H*-1,2,4-triazole-1-ethanol, 9Cl. 2-(2,4-Difluorophenyl)-1,3-bis(1*H*-1,2,4-triazol-1-yl)-2-propanol. Biozolen. Diflucan. Elazor. Fungata. Triflucan. UK 49858. Many other names



CAS Registry Number: 86386-73-4

Related CAS Registry Numbers(s): 123631-92-5

Molecular Formula: C₁₃H₁₂F₂N₆O

Molecular Weight: 306.274

Accurate Mass: 306.104065

Percentage Composition: C 50.98%; H 3.95%; F 12.41%; N 27.44%; O 5.22%

Biological Use/Importance: Antifungal agent. Effective in single oral dose against vaginal candidiasis. Prophylactic treatment for AIDS patients. Not active against *Aspergillus*

Physical Description: Cryst. (EtOAc/hexane)

Development Status: Marketed drug. Launched 1988. Worldwide 42nd best selling prescription drug (\$1.01 bn) (Pfizer) (2000, Pharma Business)

Melting Point: Mp 138-140°

Calculated Log P Data: Log P -0.11 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 1271 mg/kg

>>Derivative: Dihydrogen phosphate ester

Synonym(s): Fosfluconazole, BAN, INN. UK 292 663

CAS Registry Number: 194798-83-9

Molecular Formula: C₁₃H₁₃F₂N₆O₄P

Molecular Weight: 386.254

Accurate Mass: 386.070397

Percentage Composition: C 40.42%; H 3.39%; F 9.84%; N 21.76%; O 16.57%; P 8.02%

Biological Use/Importance: Antifungal agent

Physical Description: Solid

Melting Point: Mp 223-224°

>>Derivative: Dihydrogen phosphate ester, di-Na salt

CAS Registry Number: 194798-85-1

Physical Description: Solid

Melting Point: Mp 160-162°

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