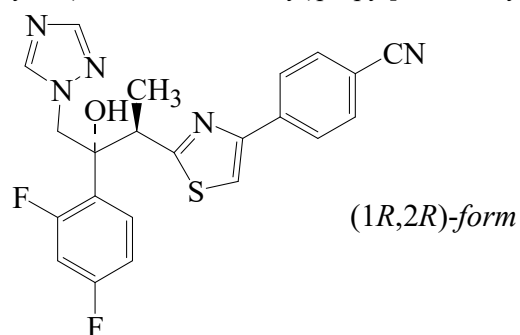




>>Entry Name: Ravuconazole, INN

Synonym(s): 4-[2-[2-(2,4-Difluorophenyl)-2-hydroxy-1-methyl-3-(1*H*-1,2,4-triazol-1-yl)propyl]-4-thiazolyl]benzonitrile, 9cl. ER 30346



CAS Registry Number: 170864-29-6

Related CAS Registry Numbers(s): 194798-96-4 197184-27-3

Molecular Formula: C₂₂H₁₇F₂N₅OS

Molecular Weight: 437.472

Accurate Mass: 437.112186

Percentage Composition: C 60.40%; H 3.92%; F 8.69%; N 16.01%; O 3.66%; S 7.33%

Biological Use/Importance: Antifungal agent

>>Variant: (1*R*,2*R*)-form

CAS Registry Number: 182760-06-1

Molecular Formula: C₂₂H₁₇F₂N₅OS

Molecular Weight: 437.472

Accurate Mass: 437.112186

Percentage Composition: C 60.40%; H 3.92%; F 8.69%; N 16.01%; O 3.66%; S 7.33%

Physical Description: Prisms (diisopropyl ether/hexane)

Melting Point: Mp 164-166°. Mp 196-197°

Optical Rotation: $[\alpha]_D^{24} -29.1$ (c, 1.03 in MeOH)

References:

Eur. Pat., 1995, Eisai, 667 346; *CA*, **123**, 340144v, (*synth, pmr, pharmacol*)

Hata, K. *et al.*, *Antimicrob. Agents Chemother.*, 1996, **40**, 2237-2242; 2243-2247, (*activity*)

Naito, T. *et al.*, *Drugs of the Future*, 1996, **21**, 20-24, (*synth, pharmacol, tox*)

Gala, D. *et al.*, *Tet. Lett.*, 1996, **37**, 8117-8120, (*synth*)

Tsuruoka, A. *et al.*, *Chem. Pharm. Bull.*, 1998, **46**, 623-630; 1125-1129, (*synth, pharmacol, ir, pmr*)