

Voriconazole (Cas No 137234-62-9)



Voriconazole

CAS number 137234-62-9

Formula Structure :

Systematic (IUPAC) name

(2R,3S)-2-(2,4-difluorophenyl)-3-(5-fluoropyrimidin-4-yl)-1-(1H-1,2,4-triazol-1-yl) butan-2-ol

Identifiers

CAS number 137234-62-9

ATC code J02AC03

PubChem 71616

DrugBank APRD00543

Chemical data

Formula C₁₆H₁₄F₃N₅O Mol. mass 349.311 g/mol

Pharmacokinetic data

Bioavailability 96%

Protein binding 58%

Metabolism Hepatic cytochrome P450 enzymes CYP2C19, CYP2C9, CYP3A4

Half life Dose-dependent

Excretion ?

Therapeutic considerations

Pregnancy cat. D

Legal status Prescription only

Routes IV, oral

Voriconazole Triazole antifungal agent, is available as a lyophilized powder for solution for intravenous infusion, film-coated tablets for oral administration, and as a powder for oral suspension.

Voriconazole is designated chemically as (2R,3S)-2-(2,4-difluorophenyl)-3-(5-fluoro-4-pyrimidinyl)-1-(1H-1,2,4-triazol-1-yl)-2-butanol with an empirical formula of C₁₆H₁₄F₃N₅O and a molecular weight of 349.3.

Voriconazole drug substance is a white to light-colored powder.

