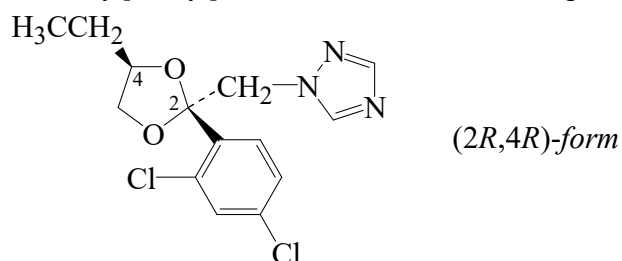




>>Entry Name: Etaconazole

Synonym(s): 1-[[2-(2,4-Dichlorophenyl)-4-ethyl-1,3-dioxolan-2-yl]methyl]-1*H*-1,2,4-triazole. Sonax. Vangard. CGA 64251



CAS Registry Number: 60207-93-4

Extra CAS Registry Numbers(s): 60207-94-5 89576-58-9 89576-59-0

Molecular Formula: C₁₄H₁₅Cl₂N₃O₂

Molecular Weight: 328.197

Accurate Mass: 327.054131

Percentage Composition: C 51.24%; H 4.61%; Cl 21.60%; N 12.80%; O 9.75%

Use/Importance: Fungicide; superseded by Propiconazole [MJL68-N](#)

Biological Use/Importance: Sterol 14-demethylase inhibitor

>>Variant: (2*R*,4*R*)-form

CAS Registry Number: 86503-49-3

Molecular Formula: C₁₄H₁₅Cl₂N₃O₂

Molecular Weight: 328.197

Accurate Mass: 327.054131

Percentage Composition: C 51.24%; H 4.61%; Cl 21.60%; N 12.80%; O 9.75%

Boiling Point: Bp_{0.75} 150-153°

>>Variant: (2*R*,4*S*)-form

Synonym(s): (+)-*trans*-form

CAS Registry Number: 86503-52-8

Molecular Formula: C₁₄H₁₅Cl₂N₃O₂

Molecular Weight: 328.197

Accurate Mass: 327.054131

Percentage Composition: C 51.24%; H 4.61%; Cl 21.60%; N 12.80%; O 9.75%

Physical Description: Cryst. (diisopropyl ether)

Melting Point: Mp 50-53°

Optical Rotation: [α]_{Hg} +16 (c, 2.2 in Me₂CO)

>>Variant: (2*S*,4*R*)-form

Synonym(s): (-)-*trans*-form

CAS Registry Number: 86503-50-6

Molecular Formula: C₁₄H₁₅Cl₂N₃O₂

Molecular Weight: 328.197

Accurate Mass: 327.054131

Percentage Composition: C 51.24%; H 4.61%; Cl 21.60%; N 12.80%; O 9.75%

Physical Description: Cryst. (diisopropyl ether)

Melting Point: Mp 50-53°

Optical Rotation: [α]_{Hg}²⁰ -16 (c, 3.3 in Me₂CO)

>>Variant: (2*S*,4*S*)-form

Synonym(s): (+)-*cis*-form

CAS Registry Number: 86503-51-7

Molecular Formula: C₁₄H₁₅Cl₂N₃O₂

Molecular Weight: 328.197

Accurate Mass: 327.054131

Percentage Composition: C 51.24%; H 4.61%; Cl 21.60%; N 12.80%; O 9.75%

Boiling Point: Bp_{0.75} 150-153°

Optical Rotation: [α]_{Hg}²⁰ +4 (c, 1.8 in Me₂CO)

References: