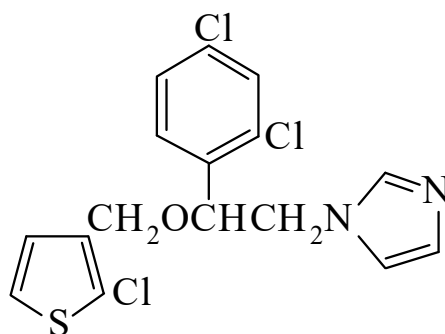




>>Entry Name: Tioconazole, BAN, INN, JAN, USAN

Synonym(s): 1-[2-[(2-Chloro-3-thienyl)methoxy]-2-(2,4-dichlorophenyl)ethyl]-1*H*-imidazole, 9Cl



CAS Registry Number: 65899-73-2

Molecular Formula: C₁₆H₁₃Cl₃N₂OS

Molecular Weight: 387.716

Accurate Mass: 385.981414

Percentage Composition: C 49.57%; H 3.38%; Cl 27.43%; N 7.23%; O 4.13%; S 8.27%

Use/Importance: Antifungal agent. Functions as Lanosterol C-14 demethylation inhibitor

Development Status: Launched 1983

Other Data: Activity limited by rapid metab. *in vivo* and high lipophilicity

>>Variant: (±)-form

Molecular Formula: C₁₆H₁₃Cl₃N₂OS

Molecular Weight: 387.716

Accurate Mass: 385.981414

Percentage Composition: C 49.57%; H 3.38%; Cl 27.43%; N 7.23%; O 4.13%; S 8.27%

Calculated Log P Data: Log P 4.93 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 770 mg/kg. Exp. reprod. effects

>>Derivative: Hydrochloride

Synonym(s): Trosyd. Trosyl

CAS Registry Number: 61675-64-7

Physical Description: Cryst.

Melting Point: Mp 168-170°

References:

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Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., *Akademie-Verlag*, 1987, 3854

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