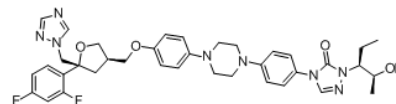


**Product Name** : Posaconazole  
**Cat. No.** : PC-45195  
**CAS No.** : 171228-49-2  
**Molecular Formula** : C<sub>37</sub>H<sub>42</sub>F<sub>2</sub>N<sub>8</sub>O<sub>4</sub>  
**Molecular Weight** : 700.7774  
**Target** : Fungal  
**Solubility** : 10 mM in DMSO

1. Benaim G, et al. *J Med Chem*. 2006 Feb 9;49(3):892-9.
2. Sabatelli F, et al. *Antimicrob Agents Chemother*. 2006 Jun;50(6):2009-15.



## Biological Activity

Posaconazole is a triazole **antifungal** agent that blocks the synthesis of ergosterol by inhibiting of the enzyme **lanosterol 14α-demethylase** and accumulation of methylated sterol precursors, more potent at inhibiting 14α-demethylase than itraconazole.

## References

