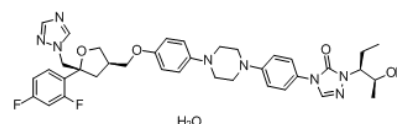


**Product Name** : Posaconazole hydrate  
**Cat. No.** : PC-45196  
**CAS No.** : 1198769-38-8  
**Molecular Formula** : C<sub>37</sub>H<sub>44</sub>F<sub>2</sub>N<sub>8</sub>O<sub>5</sub>  
**Molecular Weight** : 718.7927  
**Target** : Fungal  
**Solubility** : 10 mM in DMSO

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

## References

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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