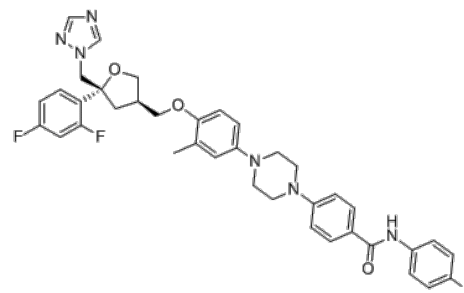


**Product Name** : PC945  
**Cat. No.** : PC-62615  
**CAS No.** : 1931946-73-4  
**Molecular Formula** : C<sub>38</sub>H<sub>37</sub>F<sub>3</sub>N<sub>6</sub>O<sub>3</sub>  
**Molecular Weight** : 682.748  
**Target** : Fungal  
**Solubility** : 10 mM in DMSO



## Biological Activity

Opelconazole (PC945) is a novel broad spectrum **antifungal** agent that potently inhibits *Aspergillus fumigatus* **sterol 14 $\alpha$ -demethylase** (CYP51A and CYP51B) with IC<sub>50</sub> of 0.23 and 0.22  $\mu$ M, respectively.

Opelconazole (PC945) shows MIC values 0.032 to >8  $\mu$ g/ml against 96 clinically isolated *A. fumigatus* strains, demonstrates activity against itraconazole-susceptible and -resistant *A. fumigatus* growth with IC<sub>50</sub> of 0.0012 to 0.034  $\mu$ g/ml.

Opelconazole (PC945) is a broad spectrum of pathogenic fungi with MIC 0.0078 to 2  $\mu$ g/ml, and exhibits activity in vivo.

## References

Colley T, et al. *Antimicrob Agents Chemother.* 2017 Apr 24;61(5). pii: e02280-16.

Kimura G, et al. *Antimicrob Agents Chemother.* 2017 Aug 24;61(9). pii: e00124-17.

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

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