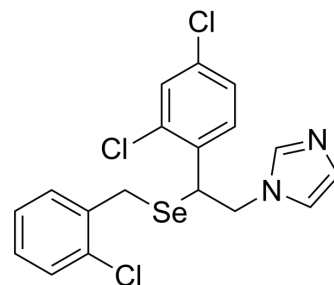


## Antifungal agent 53

Cat. No.:	HY-153618
CAS No.:	2422019-76-7
Molecular Formula:	C <sub>18</sub> H <sub>15</sub> Cl <sub>3</sub> N <sub>2</sub> Se
Molecular Weight:	444.64
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Antifungal agent 53 (A03) is a potent inhibitor of <i>Candida albicans</i> CYP51 with antifungal activity. Antifungal agent 53 prevents the formation of fungi biofilms. Antifungal agent 53 also exhibits good safety <sup>[1]</sup> .
<b>In Vitro</b>	Antifungal agent 53 (4 µg/mL; 24 h) displayed less hemolytic effect than Miconazole (HY-B0454), against rabbit red blood cells <sup>[1]</sup> . Antifungal agent 53 (50 µg/mL, 80 µg/mL; 1.5-24 h) inhibits the formation of <i>C. albicans</i> biofilm in a dose-dependent manner <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Xu H, et al. Design, synthesis, and biological evaluation of novel miconazole analogues containing selenium as potent antifungal agents. *Eur J Med Chem.* 2020 Jul 15;198:112360.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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