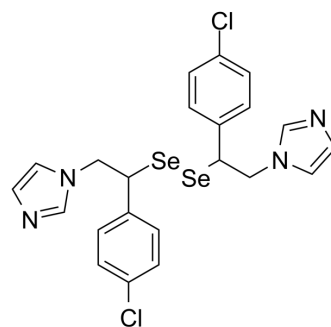


Antifungal agent 42

Cat. No.:	HY-151440
Molecular Formula:	C ₂₂ H ₂₀ Cl ₂ N ₄ Se ₂
Molecular Weight:	569.25
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antifungal agent 42 is an antifungal agent. Antifungal agent 42 has an inhibitory effect on lanosterol 14 α -demethylase (CYP51) of <i>C. alb.</i> . Antifungal agent 42 inhibits biofilm formation ^[1] .
IC₅₀ & Target	CYP51 ^[1]
In Vitro	Antifungal agent 42 (compound B03, 0.25-128 μ g/mL) inhibits fungal activity with MIC values of 1-64 μ g/mL ^[1] . Antifungal agent 42 (0.5 μ g/mL, 1.5-24 h) displays antibiofilm activity against FCZ-Resistant <i>C. alb</i> ^[1] . Antifungal agent 42 (0-20 μ M approximately) shows cytotoxicity against HL-60, MDA-MB-231 and PC-3 cells with IC ₅₀ values of 12.5, 5.5, 2.91 μ M respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hang Xu, et al. Discovery of novel selenium-containing azole derivatives as antifungal agents by exploiting the hydrophobic cleft of CYP51. *Eur J Med Chem.* 2022 Aug 28;243:114707.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA