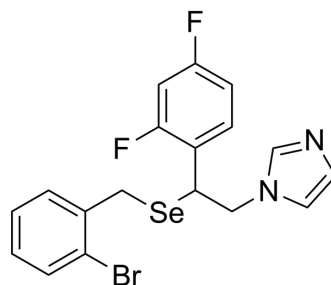


Antifungal agent 59

Cat. No.:	HY-153624
CAS No.:	2422019-96-1
Molecular Formula:	C ₁₈ H ₁₅ BrF ₂ N ₂ Se
Molecular Weight:	456.19
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antifungal agent 59 is an antifungal agent, with MIC values of 0.01-1 µg/mL. Antifungal agent 59 prevents the formation of fungi biofilms, but also has safety ^[1] .
In Vitro	Antifungal agent 59 (compound A23) shows in vitro antifungal activity with MIC values of 0.02 µg/mL (Candida albicans), 0.01 µg/mL (Candida albicans), 0.25 µg/mL (Candida zeylanoides), 0.25 µg/mL (Cryptococcus neoformans), 0.06 µg/mL (Candida kruseii), 1 µg/mL (Candida glabrata), 0.02 µg/mL (Candida parapsilosis), and 1 µg/mL (Aspergillus fumigatus), respectively ^[1] . Antifungal agent 59 (0.02 µg/mL ;48 h) potently kills Candida albicans ^[1] . Antifungal agent 59 (1-16 µg/mL) shows hemolytic activity against rabbit red blood cells, with 93.47% hemolysis at concentrations of 8 µg/mL ^[1] . 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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