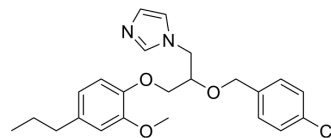


Antifungal agent 68

Cat. No.:	HY-155710
CAS No.:	2925307-53-3
Molecular Formula:	C ₂₃ H ₂₇ ClN ₂ O ₃
Molecular Weight:	414.93
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antifungal agent 68 (compound 10) is an antifungal agent against *Candida* and *Cryptococcus gattii*. Antifungal agent 68 inhibits fungal ergosterol biosynthesis, possibly by targeting lanosterol 14 α -demethylase (CYP51). There is an interaction between the imidazole ring of antifungal agent 68 and the heme group of CYP51^[1].

REFERENCES

[1]. Campos Péret VA, et al. New miconazole-based azoles derived from eugenol show activity against *Candida* spp. and *Cryptococcus gattii* by inhibiting the fungal ergosterol biosynthesis. *Eur J Med Chem.* 2023 Aug 5;256:115436..

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

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