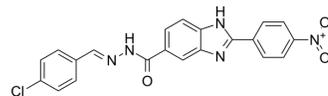


## Antifungal agent 33

Cat. No.:	HY-147919
CAS No.:	2445277-57-4
Molecular Formula:	C <sub>21</sub> H <sub>14</sub> ClN <sub>5</sub> O <sub>3</sub>
Molecular Weight:	419.82
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Antifungal agent 33 (compound 4e) is a potent antifungal agent. Antifungal agent 33 exhibits remarkable antifungal activity against *C. albicans*, with a MIC of 16 µg/mL. Antifungal agent 33 shows potent inhibitory activity against Lanosterol 14α-demethylase (CYP51), with an IC<sub>50</sub> of 0.19 µg/mL<sup>[1]</sup>.

### REFERENCES

[1]. Morcoss MM, et al. Design, synthesis, mechanistic studies and in silico ADME predictions of benzimidazole derivatives as novel antifungal agents. *Bioorg Chem.* 2020 Aug;101:103956.

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

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