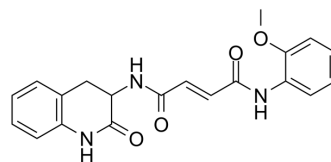


Chitin synthase inhibitor 3

Cat. No.:	HY-150584
CAS No.:	2416338-26-4
Molecular Formula:	C ₂₀ H ₁₉ N ₃ O ₄
Molecular Weight:	365.38
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Chitin synthase inhibitor 3 (compound 2d) is a potent chitin synthase inhibitor with an IC ₅₀ value of 0.16 mM, and MIC of 1 µg/mL against candida albicans. Antifungal activity ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.16 mM (chitin synthase) ^[1] MIC: 1 µg/mL in candida albicans ^[1]

REFERENCES

[1]. Li B, et al. Design, synthesis and biological evaluation of novel 3,4-dihydro-2(1H)-quinolinone derivatives as potential chitin synthase inhibitors and antifungal agents. Eur J Med Chem. 2020 Jun 1;195:112278.

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

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