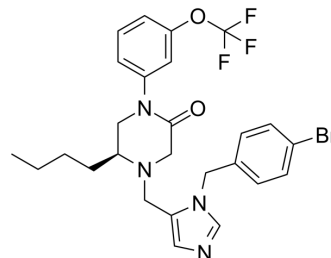


Antifungal agent 46

Cat. No.:	HY-151566
CAS No.:	2842067-19-8
Molecular Formula:	C ₂₆ H ₂₈ BrF ₃ N ₄ O ₂
Molecular Weight:	565.43
Target:	Farnesyl Transferase; Ras; Fungal
Pathway:	Metabolic Enzyme/Protease; GPCR/G Protein; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antifungal agent 46 (compound 2f) is a potent antifungal agent. Antifungal agent 46 prevents Ras signaling by inhibiting protein farnesyltransferase ^[1] .
In Vitro	Antifungal agent 46 (compound 2f) inhibits growth at 12.5 μM in biofilm assay, corresponding to a 2-fold higher MIC than Amphotericin B (HY-B0221) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Antifungal agent 46 (compound 2f, 0.78 μM) inhibits FTase activity in vivo ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wang Y, et al. Structure-Guided Discovery of Potent Antifungals that Prevent Ras Signaling by Inhibiting Protein Farnesyltransferase. J Med Chem. 2022 Oct 11.

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

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