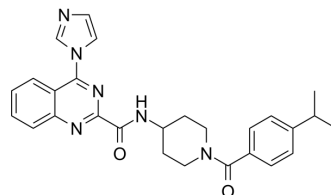


CYP51/PD-L1-IN-3

Cat. No.:	HY-156151
CAS No.:	3032386-59-4
Molecular Formula:	C ₂₇ H ₂₈ N ₆ O ₂
Molecular Weight:	468.55
Target:	Fungal; Cytochrome P450; PD-1/PD-L1
Pathway:	Anti-infection; Metabolic Enzyme/Protease; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CYP51/PD-L1-IN-3 (compound L21) is a quinazoline compound with antifungal activity. CYP51/PD-L1-IN-3 is a dual inhibitor of CYP51 (IC ₅₀ : 0.205 μM) and PD-L1 (IC ₅₀ : 0.039 μM), which can induce early apoptosis of fungal cells in the cell cycle. CYP51/PD-L1-IN-3 also significantly reduced intracellular IL-2, NLRP3, and NF-κBp65 protein levels, induced mitochondrial damage and ROS accumulation, and ultimately led to fungal lysis and death ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.205 μM (CYP51), 0.039 μM (PD-L1) ^[1]

REFERENCES

[1]. Sun B, et al. Design, Synthesis, and Activity Evaluation of Novel Dual-Target Inhibitors with Antifungal and Immunoregulatory Properties. J Med Chem. 2023 Sep 13..

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

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