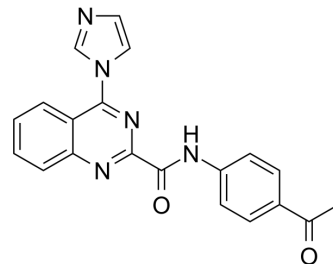


CYP51/PD-L1-IN-1

| | |
|--------------------|---|
| Cat. No.: | HY-156149 |
| CAS No.: | 3032386-49-2 |
| Molecular Formula: | C ₂₀ H ₁₅ N ₅ O ₂ |
| Molecular Weight: | 357.37 |
| 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-1 (compound L11) is a quinazoline compound with antifungal activity. CYP51/PD-L1-IN-1 is a dual inhibitor of CYP51 (IC ₅₀ : 0.884 μM) and PD-L1 (IC ₅₀ : 0.083 μM), which can induce early apoptosis of fungal cells in the cell cycle. CYP51/PD-L1-IN-1 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 : 0.884 μM (CYP51), 0.083 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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