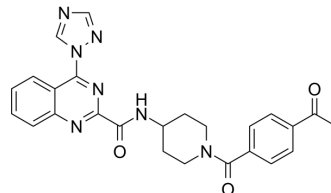


## CYP51/PD-L1-IN-2

Cat. No.:	HY-156150
CAS No.:	3032386-58-3
Molecular Formula:	C <sub>25</sub> H <sub>23</sub> N <sub>7</sub> O <sub>3</sub>
Molecular Weight:	469.5
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-2 (compound L20) is a quinazoline compound with antifungal activity. CYP51/PD-L1-IN-2 is a dual inhibitor of CYP51 (IC <sub>50</sub> : 0.263 μM) and PD-L1 (IC <sub>50</sub> : 0.017 μM), which can induce early apoptosis of fungal cells in the cell cycle. CYP51/PD-L1-IN-2 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 <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.263 μM (CYP51), 0.017 μM (PD-L1) <sup>[1]</sup>

### 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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