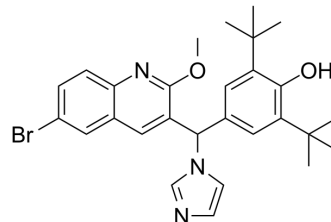


## Antimalarial agent 9

Cat. No.:	HY-115905
CAS No.:	2914224-54-5
Molecular Formula:	C <sub>28</sub> H <sub>32</sub> BrN <sub>3</sub> O <sub>2</sub>
Molecular Weight:	522.48
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Antimalarial agent 9 (Compound 11) is a potent antimalarial agent. Antimalarial agent 9 is a quinoline-imidazole derivative compound. Antimalarial agent 9 exhibits significant antimalarial efficacy in-vitro against both CQ-sensitive (IC <sub>50</sub> -0.14 μM) and MDR strain (IC <sub>50</sub> -0.41 μM) with minimal cytotoxicity and high selectivity <sup>[1]</sup> .
IC <sub>50</sub> & Target	Plasmodium

### REFERENCES

[1]. Roy D, et al. Synthesis, biological evaluation, Structure - Activity relationship studies of quinoline-imidazole derivatives as potent antimalarial agents. Bioorg Chem. 2022;121:105671.

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

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