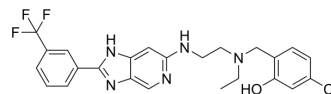


Antimalarial agent 23

Cat. No.:	HY-149919
Molecular Formula:	C ₂₄ H ₂₃ ClF ₃ N ₅ O
Molecular Weight:	489.92
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antimalarial agent 23 is an antimalarial benzimidazole with IC ₅₀ s of 0.08 μM and 0.10 μM for PfNF54 and PfK1, respectively. Antimalarial agent 23 has potent β-hematin inhibition activity. Antimalarial agent 23 does not directly inhibit the conversion of heme to hemozoin ^[1] .
In Vitro	Antimalarial agent 23 (compound 14) has cytotoxicity on CHO cell with an IC ₅₀ of 37.3 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Henrietta D Attram, et al. Antimalarial Imidazopyridines Incorporating an Intramolecular Hydrogen Bonding Motif: Medicinal Chemistry and Mechanistic Studies. ACS Infect Dis. 2023 Apr 14;9(4):928-942.

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

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