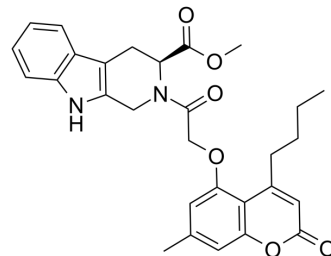


Antimalarial agent 15

Cat. No.:	HY-150065
CAS No.:	956928-33-9
Molecular Formula:	C ₂₉ H ₃₀ N ₂ O ₆
Molecular Weight:	502.56
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antimalarial agent 15 (Compound 4e) is a parasite inhibitor. Antimalarial agent 15 shows antimalarial activity, and can inhibit <i>P. falciparum</i> 3D7 parasite growth (IC ₅₀ =20 nM) ^[1] .
IC₅₀ & Target	IC ₅₀ : 20 nM (<i>P. falciparum</i> 3D7) ^[1]
In Vitro	Antimalarial agent 15 shows no cytotoxicity against mammalian cells or affects the growth of bacteria and fungi up to 30 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nobuo Cho, et al. New antimalarials identified by a cell-based phenotypic approach: Structure-activity relationships of 2,3,4,9-tetrahydro-1H-β-carboline derivatives possessing a 2-((coumarin-5-yl)oxy)alkanoate moiety. *Bioorg Med Chem.* 2022 Jul 15;66:116830.

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

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