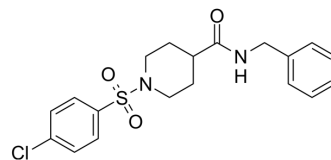


Antimalarial agent 17

Cat. No.:	HY-148429
CAS No.:	508187-76-6
Molecular Formula:	C ₁₉ H ₂₁ ClN ₂ O ₃ S
Molecular Weight:	392.9
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antimalarial agent 17 is an antimalarial agent, also acts as a herbicide. Antimalarial agent 17 is photosystem II inhibitor, shows post-emergence herbicidal activity equal to commercial herbicides ^[1] .
IC ₅₀ & Target	Plasmodium
In Vitro	Antimalarial agent 17 (compound 7) (25, 50, 100, 200, 400 mg/L; post-emergence) shows a potent post-emergence herbicidal activity against <i>A. thaliana</i> seedlings ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Corral MG, et al. Exploiting the Evolutionary Relationship between Malarial Parasites and Plants To Develop New Herbicides. *Angew Chem Int Ed Engl*. 2017 Aug 7;56(33):9881-9885.

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

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