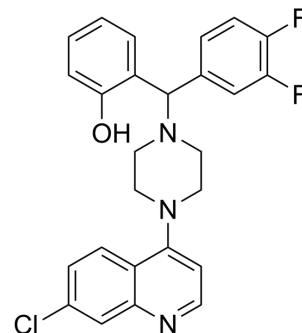


Cysteine protease inhibitor-3

Cat. No.:	HY-155054
Molecular Formula:	C ₂₆ H ₂₂ ClF ₂ N ₃ O
Molecular Weight:	465.92
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Cysteine protease inhibitor-3 (Compound 15) is a Cysteine protease inhibitor. Cysteine protease inhibitor-3 inhibits Pf3D7, PfW2, PffP2 and PffP3 with IC₅₀s of 0.74 μM, 1.05 μM, 3.5 μM, and 4.9 μM, respectively. Cysteine protease inhibitor-3 has anti-plasmodial efficacy against both drug-sensitive and drug-resistant parasites^[1].

REFERENCES

[1]. Madhav H, et al. Development of diphenylmethylpiperazine hybrids of chloroquinoline and triazolopyrimidine using Petasis reaction as new cysteine proteases inhibitors for malaria therapeutics. *Eur J Med Chem.* 2023 Oct 5;258:115564.

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

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