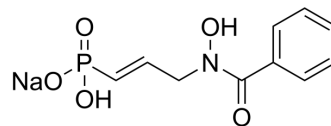


## Antimalarial agent 27

Cat. No.:	HY-149882
Molecular Formula:	C <sub>10</sub> H <sub>11</sub> NNaO <sub>5</sub> P
Molecular Weight:	279.16
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Antimalarial agent 27 (compound 11a) is an antimalarial agent, potently targeting to *P.falciparum* (IC<sub>50</sub>=0.37 μM). Antimalarial agent 27 acts function via *P.falciparum* DXR (1-deoxy-D-xylulose-5-phosphate reductoisomerase) inhibition (IC<sub>50</sub>=0.11 μM)<sup>[1]</sup>.

### REFERENCES

[1]. Wang X, et al. MEPicides: α,β-unsaturated Fosmidomycin N-Acyl Analogs as Efficient Inhibitors of Plasmodium falciparum 1-Deoxy-d-xylulose-5-phosphate reductoisomerase. ACS Infect Dis. 2023 Jul 14;9(7):1387-1395.

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

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