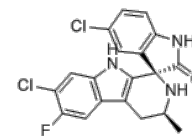


**Product Name** : Cipargamin  
**Cat. No.** : PC-63378  
**CAS No.** : 1193314-23-6  
**Molecular Formula** : C<sub>19</sub>H<sub>14</sub>Cl<sub>2</sub>FN<sub>3</sub>O  
**Molecular Weight** : 390.239  
**Target** : Parasite  
**Solubility** : 10 mM in DMSO



## Biological Activity

Cipargamin (KAE609, NITD609) is a fast-acting, potent **antimalarial** agent that inhibits blood-stage activity in vitro against a panel of culture-adapted *P. falciparum* strains with IC<sub>50</sub> of 0.5-1.4 nM.

NITD609 inhibits the early and late development of *Plasmodium falciparum* gametocytes in vitro in a dose-dependent fashion over a range of 5 to 500 nM.

NITD609 also is a very effective drug in reducing transmission to the *Anopheles stephensi* mosquito vector; shows pharmacokinetic properties compatible with once-daily oral dosing and has single-dose efficacy in rodent malaria model.

## References

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Spillman NJ, et al. *Cell Host Microbe*. 2013 Feb 13;13(2):227-37.

Zhou Y, et al. *Antimicrob Agents Chemother*. 2014;58(3):1789-92.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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