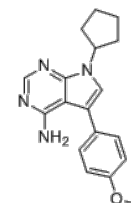


**Product Name** : NCGC00262650  
**Cat. No.** : PC-38537  
**CAS No.** : 344359-25-7  
**Molecular Formula** : C<sub>18</sub>H<sub>20</sub>N<sub>4</sub>O  
**Molecular Weight** : 308.385  
**Target** : Parasite  
**Solubility** : 10 mM in DMSO



### Biological Activity

NCGC00262650 is a small molecule merozoite invasion inhibitor of parasite AMA1-RON2 interaction, blocks entry of merozoites into RBCs with IC<sub>50</sub> of 9.8 μM.

NCGC00262650 exhibits no effect on intracellular growth and merozoite rupture from schizonts.

NCGC00262650 enhances the efficiency of growth inhibition in combination with Artemisinin.

NCGC00262650 blocks merozoite invasion by binding AMA1.

NCGC00262650 disrupts the function of AMA1-RON2 interaction, namely junction formation, a crucial step in merozoite invasion of RBCs.

### References

Prakash Srinivasan, et al. Nat Commun. 2013;4:2261. doi: 10.1038/ncomms3261.

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

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