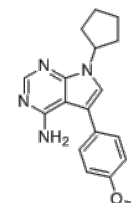


Product Name : NCGC00262650
Cat. No. : PC-38537
CAS No. : 344359-25-7
Molecular Formula : C₁₈H₂₀N₄O
Molecular Weight : 308.385
Target : Parasite
Solubility : 10 mM in DMSO



Biological Activity

NCGC00262650 is a small molecule merozoite invasion inhibitor inhibitor of parasite **AMA1-RON2** interaction, blocks entry of merozoites into RBCs with IC₅₀ of 9.8 μ M.

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!

E-mail: tech@probechem.com