

Antimalarial agent 49

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Antimalarial agent 49 is an oral compound with antimalarial properties. It inhibits the growth of Pf3D7 and PfK1 strains, with IC50 values of 0.84 μ M and 0.4 μ M, respectively. Additionally, it demonstrates the ability to suppress the liver stage development of P. berghei and can be utilized in malaria infection research.
Targets(IC50)	Parasite
In vitro	Antimalarial agent 49 (compound 15k) inhibits the development of P. berghei during the liver stage with an IC50 of 5.88 μ M, when used in concentrations ranging from 0.37 to 10 μ M over a period of 40 hours.
In vivo	Compound 15k (Antimalarial agent 49), administered orally at a dosage of 100 mg/kg once daily for four days, inhibits parasite growth by 35.93% in a P. yoelii N67 infection model in mice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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