

<b>Product Name:</b>	Artemisinin
<b>Product Number:</b>	A098
<b>CAS Number:</b>	63968-64-9
<b>Molecular Formula:</b>	$C_{15}H_{22}O_5$
<b>Molecular Weight:</b>	282.33
<b>Storage Conditions:</b>	$\leq 30^{\circ}C$
<b>Description:</b>	Artemisinin is a sesquiterpene lactone compound with anti-malarial activity against cerebral malaria causing and drug-resistant strains of <i>Plasmodium falciparum</i> . Artemisinin and some of its derivatives have anti-tumor properties and are effective against other clinically significant parasites.
<b>Mechanism of Action:</b>	The mechanism of action of artemisinin has not been proven and is not fully understood. A recent study identified 124 artemisinin binding sites in <i>Plasmodium falciparum</i> suggesting multiple mechanisms of action.
<b>References:</b>	Walters, Michael. "Faculty of 1000 Evaluation for Haem-activated Promiscuous Targeting of Artemisinin in Plasmodium Falciparum." F1000 - Post-publication Peer Review of the Biomedical Literature 6 (2015)  Klayman, D. "Qinghaosu (artemisinin): An Antimalarial Drug from China." <i>Science</i> 228.4703 (1985): 1049-055.