



Chloroquine Diphosphate

货号: C3686

储存条件: 粉末-20°C 可保存 3 年; 液体-80°C 可保存 12 月。

产品描述

Chloroquine is a chemotherapeutic agent for the clinical treatment of malaria. Chloroquine is able to bind to DNA, and inhibit DNA replication and RNA synthesis which in turn results in cell death. The effect of Chloroquine may also be related to the formation of a toxic heme-Chloroquine complex. Chloroquine inhibits trophozoite hemoglobin degradation through increasing vacuolar pH and inhibiting the activity of vacuolar phospholipase, vacuolar proteases, and heme polymerase. Chloroquine possesses definite antirheumatic properties. Chloroquine has immuno-modulatory effects, suppressing the production/release of tumour necrosis factor and interleukin 6. Moreover, Chloroquine exerts direct antiviral effects, inhibiting pH-dependent steps of the replication of several viruses including members of the flaviviruses, retroviruses, and coronaviruses. Its best-studied effects are those against HIV replication. Chloroquine can accumulate inside the macrophage phagolysosome by ion trapping where it exerts potent antifungal activity against and by distinct mechanisms. Chloroquine inhibits growth of by pH-dependent iron deprivation, whereas it is directly toxic to .

储存液制备	质量	1 mg	5 mg	10 mg
	1 mM	1.9385 mL	9.6926 mL	19.3851 mL
	5 mM	0.3877 mL	1.9385 mL	3.8770 mL
	10 mM	0.1939 mL	0.9693 mL	1.9385 mL



产品性质

CAS号	50-63-5	
分子式	$C_{18}H_{32}ClN_3O_8P_2$	
分子量	515.86	
溶解度	DMSO	insoluble
	Water	150.0 mg/mL (290.8 mM) warming

