Chloroquine Diphosphate

**ALTERNATE NAME:** \(N^1-(7\text{-Chloro}-4\text{-quinolinyl})-N^1,N^1\text{-di-methyl}-1,4\text{-pentanediamine diphosphate salt}\)

**CATALOG #:** 1825-100, 500

**AMOUNT:** 100 mg, 500 mg

**STRUCTURE:**

**MOLECULAR FORMULA:** \(C_{18}H_{26}ClN_3 \cdot 2H_3PO_4\)

**MOLECULAR WEIGHT:** 515.86

**CAS NUMBER:** 50-63-5

**APPEARANCE:** White solid

**SOLUBILITY:** Water (100 mM)

**PURITY:** \(\geq 98\%\) by TLC

**STORAGE:** Store at \(-20\) °C

**DESCRIPTION:** An antimalarial drug. Inhibits autophagy of glioma cells via a mechanism distinct from that of 3-Methyladenine. Chloroquine is an antimalarial with \textit{in vitro} activity against several viruses including coronaviruses. It is suspected to act as an inhibitor of acidification within cellular endosomes, thereby interfering with an early post-entry step of virus replication.


**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used on humans.**