

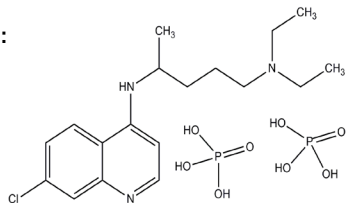
## Chloroquine Diphosphate

**ALTERNATE NAME:**  $N^4$ -(7-Chloro-4-quinoliny)- $N^1, N^1$ -dimethyl-1,4-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  $-20\text{ }^\circ\text{C}$

**DESCRIPTION:** An antimalarial drug. Inhibits autophagy of glioma cells via a mechanism distinct from that of 3-Methyladenine. Chloroquine is an antimalarial with *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.

**REFERENCE:** Sotelo, J., *et al.* (2006). *Ann. Intern. Med.* **144**, 337-343.

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

### RELATED PRODUCTS:

- Amiodarone Hydrochloride (Cat. No. 1828-100, 500)
- Bafilomycin A1 (Cat. No. 1829-50, 250)
- Leupeptin Hemisulfate (Cat. No. 1648-25, 50,100)
- LY 294002 (Cat. No. 1667-5, 25)
- EZSolution™ LY 294002 (Cat. No. 1747-5)
- Niclosamide (Cat. No. 1826-100, 500)
- Pepstatin A (Cat. No. 1732-25, 100)
- Rapamycin (Cat. No. 1568-5, 50)
- EZSolution™ Rapamycin (Cat. No. 1746-5)
- Rottlerin (Cat. No. 1827-10)
- Wortmannin (Cat. No. 1670-1)

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