



LKT Laboratories, Inc.

Primaquine Phosphate

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Product Information

Product ID P7033
CAS No. 63-45-6
Chemical Name N4-(6-Methoxy-8-quinolinyl)-1,4-pentanediamine diphosphate

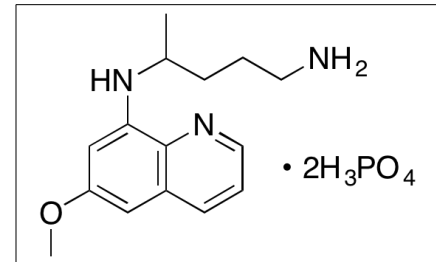
Synonym Primaquine diphosphate

Formula $C_{15}H_{21}N_3O \cdot 2H_3PO_4$
Formula Wt. 455.29
Melting Point 197-198 °C
Purity ≥98% (titration)
Solubility Soluble in water (66 mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description Primaquine is an anti-parasitic compound that is used in the treatment of malaria. The antimalarial activity of primaquine stems from its ability to alter membrane permeability and to prevent formation of intracellular transport vesicles at the budding stage.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P7033	5 g	\$74.40
P7033	10 g	\$118.90
P7033	50 g	\$400.60

References Basso LG, Rodrigues RZ, Naal RM, et al. Effects of the antimalarial drug primaquine on the dynamic structure of lipid model membranes. *Biochim Biophys Acta*. 2011 Jan;1808(1):55-64. PMID: 20713019.

Hiebsch RR, Raub TJ, Wattenberg BW. Primaquine blocks transport by inhibiting the formation of functional transport vesicles. Studies in a cell-free assay of protein transport through the Golgi apparatus. *J Biol Chem*. 1991 Oct 25;266(30):20323-8. PMID: 1657920.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.