



LKT Laboratories, Inc.

Pyronaridine Tetrphosphate

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Product Information

Product ID P9768

CAS No. 76748-86-2

Chemical Name 4-[(7-Chloro-2-methoxybenzo[b]-1,5-naphthyridin-10-yl)amino]-2,6-bis(1-pyrrolidinylmethyl)phenol tetrphosphate

Synonym Malaridine

Formula C₂₉H₃₂ClN₅O₂ • 4H₃PO₄

Formula Wt. 910.03

Melting Point 233-236 °C

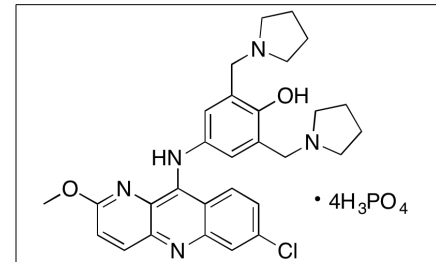
Purity ≥98%

Solubility Soluble in water. Very sparingly soluble in ethanol.

Store Temp Ambient

Ship Temp Ambient

Description Pyronaridine exhibits antibiotic properties and is clinically used for its antimalarial and anti-parasitic activities against *Plasmodium*. Pyronaridine inhibits B-hematin formation, binding hematin and preventing glutathione-dependent degradation.



Bulk quantities available upon request

Product ID	Size
P9768	25 mg
P9768	100 mg
P9768	250 mg
P9768	1 g

References Henrich PP, O'Brien C, Sáenz FE, et al. Evidence for pyronaridine as a highly effective partner drug for treatment of artemisinin-resistant malaria in a rodent model. *Antimicrob Agents Chemother.* 2014 Jan;58(1):183-95. PMID: 24145526.

Kritsiriwuthinan K, Chaotheing S, Shaw PJ, et al. Global gene expression profiling of *Plasmodium falciparum* in response to the anti-malarial drug pyronaridine. *Malar J.* 2011 Aug 18;10:242. PMID: 21849091.

Aparakkitanon S, Chapoomram S, Kuaha K, et al. Targeting of hematin by the antimalarial pyronaridine. *Antimicrob Agents Chemother.* 2006 Jun;50(6):2197-200. PMID: 16723583.

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