



LKT Laboratories, Inc.

Artemether

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Product Information

Product ID A6970

CAS No. 71963-77-4

Chemical Name (3R,5aS,6R,8aS,9R,10S,12R,12aR)-Decahydro-10-methoxy-3,6,9-trimethyl-3,12-epoxy-12H-pyrano(4,3-j)-1,2-benzodioxepin

Synonym Dihydroartemisinin methyl ether, Dihydroqinghaosu methyl ether, Paluther

Formula C₁₆H₂₆O₅

Formula Wt. 298.37

Melting Point 86-88 °C

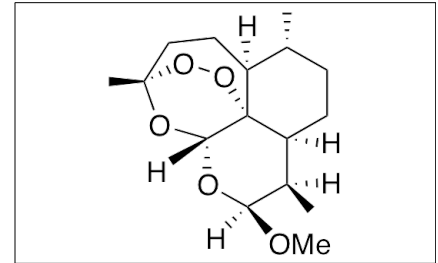
Purity ≥98%

Solubility Insoluble in water. Soluble in acetone and ethyl acetate.

Store Temp Ambient

Ship Temp Ambient

Description Artemether is a sesquiterpene lactone derived from *Artemisia*. Artemisinins such as artemether are best known for their antimalarial activity. Artemether exhibits anti-parasitic activity against *Plasmodium*, *Leishmania*, and *Schistosoma*.



Bulk quantities available upon request

Product ID	Size
A6970	50 mg
A6970	100 mg
A6970	500 mg
A6970	1 g

References Angus B. Novel anti-malarial combinations and their toxicity. *Expert Rev Clin Pharmacol.* 2014 May;7(3):299-316. PMID: 24716844.

Wang W, Li TY, Ji Y, et al. Efficacy of artemether and artesunate in mice infected with praziquantel non-susceptible isolate of *Schistosoma japonicum*. *Parasitol Res.* 2014 Mar;113(3):925-31. PMID: 24326467.

Ebrahimisadr P, Ghaffarifar F, Mohammad Hassan Z. In-vitro Evaluation of Antileishmanial Activity and Toxicity of Artemether with Focus on its Apoptotic Effect. *Iran J Pharm Res.* 2013 Fall;12(4):903-9. PMID: 24523770.

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