



Quinine (hydrochloride dihydrate)

Catalog No: tcsc2539

Z	Available Sizes
Size:	: 5g
Size:	: 10g
	Specifications
CAS 6119	No: -47-7
	nula: 29 ^{CIN} 2 ^O 4
	way: nfection
Targ Paras	
Purit >98%	ty / Grade: %
	bility: D : ≥ 100 mg/mL (251.95 mM); H2O : 20 mg/mL (50.39 mM; Need ultrasonic)

Observed Molecular Weight:

396.91

Product Description

Quinine Hydrochloride Dihydrate is a natural white crystalline alkaloid having antipyretic (fever-reducing), antimalarial, analgesic (painkilling), anti-inflammatory properties and a bitter taste.

Target: Antiparasitic

Quinine is a natural white crystalline alkaloid having antipyretic (fever-reducing), antimalarial, analgesic (painkilling), and anti-





inflammatory properties and a bitter taste. It is a stereoisomer of quinidine, which, unlike quinine, is an antiarrhythmic. Quinine contains two major fused-ring systems: the aromatic quinoline and the bicyclic quinuclidine. In patients with cerebral malaria receiving the standard dose of 10 mg/kg every eight hours, plasma quinine concentrations consistently exceeded 10 mg/liter, reaching a peak 60 ± 25 hours (mean ± 1 S.D.) after treatment was begun and then declining. Quinine total clearances (CI) and total apparent volumes of distribution (Vd) were significantly lower than in uncomplicated malaria (CI, 0.92 ± 0.42 compared with 1.35 ± 0.6 ml/min/kg, p = 0.03; Vd, 1.18 ± 0.37 compared with 1.67 ± 0.34 liter/kg, p = 0.0013) [1].

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All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!