

Product Name:	Amodiaquine hydrochloride
Product Number:	A085
CAS Number:	6398-98-7
Molecular Formula:	$C_{20}H_{22}ClN_3O \cdot 2HCl \cdot 2H_2O$
Molecular Weight:	464.81
Form:	Powder
Appearance:	Yellow Crystalline Powder
Solubility:	DMSO Ethanol Methanol
Source:	Synthetic
Water Content (Karl Fischer):	7.0-9.0%
Storage Conditions:	-20°C
Description:	Amodiaquine HCl is an antimalarial 4-aminoquinoline compound with a similar structure and mechanism of action to chloroquine.
Mechanism of Action:	The mechanism of action for amodiaquine is not entirely clear; however, it is thought to inhibit digestion of hemoglobin in malarial parasites.
Spectrum:	Amodiaquine has a similar spectrum of activity as chloroquine (<i>Plasmodium vivax</i> , <i>Plasmodium malariae</i>) however; it has shown to be more effective against chloroquine resistant <i>Plasmodium falciparum</i> .
References:	Sangkuhl, Katrin. "Amodiaquine Pathway, Pharmacokinetics." PharmGKB. N.p., n.d. Web. 2 Oct. 2013.