# Data Sheet (Cat.No.T0860)



## Mefloquine hydrochloride

#### **Chemical Properties**

CAS No.: 51773-92-3

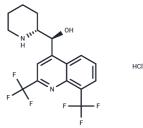
Formula: C17H17ClF6N2O

Molecular Weight: 414.77

Appearance: no data available

store under nitrogen

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



#### **Biological Description**

| Description   | Mefloquine hydrochloride (Mefloquin hydrochloride) is a quinoline derivative used for the prevention and therapy of P. falciparum malaria. |
|---------------|--|
| Targets(IC50) | Reactive Oxygen Species,Parasite,Autophagy,Potassium Channel,SARS-CoV  |

### **Solubility Information**

| Solubility | Ethanol: 76 mg/mL (183.23 mM), Sonication is recommended.       |
|------------|---|
|            | DMSO: 50 mg/mL (120.55 mM), Sonication is recommended.          |
|            | (< 1 mg/ml refers to the product slightly soluble or insoluble) |

#### **Preparing Stock Solutions**

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.411 mL  | 12.0549 mL | 24.1097 mL |
| 5 mM  | 0.4822 mL | 2.411 mL   | 4.8219 mL  |
| 10 mM | 0.2411 mL | 1.2055 mL  | 2.411 mL   |
| 50 mM | 0.0482 mL | 0.2411 mL  | 0.4822 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

#### Reference

Fitch CD. Life Sci. 2004 Mar 5; 74(16):1957-72.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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