

# Quinine (hydrochloride dihydrate)

Catalog No: tcsc2539



## Available Sizes

Size: 5g

Size: 10g



## Specifications

**CAS No:**

6119-47-7

**Formula:**

$C_{20}H_{29}ClN_2O_4$

**Pathway:**

Anti-infection

**Target:**

Parasite

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 100$  mg/mL (251.95 mM); H<sub>2</sub>O : 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-

Chemical structure of the active moiety, **10**, is shown below. It is a complex molecule featuring a quinoline ring system substituted with a methoxy group and a complex polycyclic amine moiety. The structure is shown as a hydrochloride salt (HCl) and is associated with water molecules (H<sub>2</sub>O).

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