

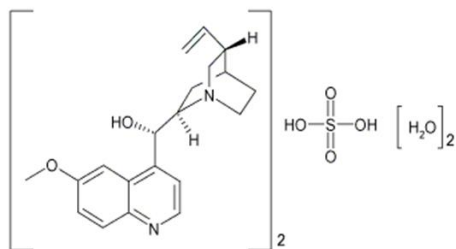
Quinidine Sulfate dihydrate

ALTERNATE NAME: Conquinine, β -Quinine

CATALOG #: 2910-1G, -5G

AMOUNT: 1g, 5g

STRUCTURE:



MOLECULAR FORMULA: $(C_{20}H_{24}N_2O_2)_2 \cdot H_2SO_4 \cdot 2 H_2O$

MOLECULAR WEIGHT: 648.8 . 98.1 . 36.0

CAS NUMBER: 6591-63-5

APPEARANCE: White to off-white powder

SOLUBILITY: DMSO (~80 mg/ml), 100% EtOH (~50 mg/ml) or H₂O (~10 mg/ml)

PURITY: \geq 97% by HPLC

STORAGE: 4°C. Protect from light and moisture. Do not freeze.

DESCRIPTION: Quinidine sulfate dihydrate is a diastereomer of quinine and a Na⁺ channel blocker. It is also a class I antiarrhythmic drug. It is a substrate (0.05 μ M in Caco-2 cells) of P-glycoprotein and can also act as an inhibitor at higher concentrations (~2 μ M in Caco-2 cells). Quinidine is also an inhibitor of the cytochrome P450 enzyme 2D6/ 3A4, and can lead to increased blood levels of lidocaine, Beta blockers, opioids, and some anti-depressants.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Loperamide hydrochloride (Cat.No.2683)

Vinblastine Sulfate (Cat.No.1959)

Digoxin (Cat.No.2844)

A-803467 (Cat.No. 2559)

Veratridine (Cat.No. 2422)

FOR RESEARCH USE ONLY! Not to be used on humans.