

Product Name : Quinidine hydrochloride

Synonyms : —

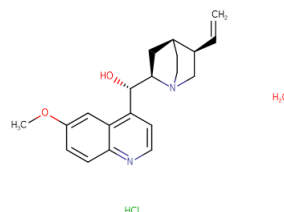
Cat No. : M15320

CAS Number : 6151-40-2

Molecular Formula : C₂₀H₂₇ClN₂O₃

Formula Weight : 378.89

Chemical Name : —



Description : An optical isomer of quinine, extracted from the bark of the Cinchona tree and similar plant species. This alkaloid dampens the excitability of cardiac and skeletal muscles by blocking sodium and potassium currents across cellular membranes. It prolongs cellular action potential, and decreases automaticity. Quinidine also blocks muscarinic and alpha-adrenergic neurotransmission.

Pathway : Cell Cycle/DNA Damage

Target : Potassium Channel

Receptor : Potassium Channel; Sodium Channel

Solubility : DMSO: 10 mM

SMILES : COC1=CC2=C(C=CN=C2C=C1)[C@@H]([C@H]3C[C@@H]4CCN3C[C@@H]4C=C)O.O.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1.Stokoe KS, et al. J Physiol. 2007 Jan 1;578(Pt 1):69-84.