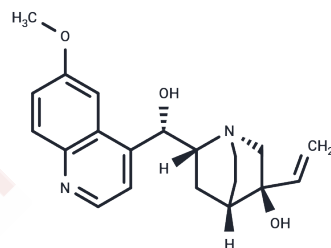


(3S)-hydroxy Quinidine

Chemical Properties

CAS No. :	53467-23-5
Formula:	C ₂₀ H ₂₄ N ₂ O ₃
Molecular Weight:	340.42
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	(3S)-hydroxy Quinidine is an active quinidine metabolite. Quinidine, an antiarrhythmic agent, undergoes rapid first-pass metabolism by the cytochrome P450 (CYP) isoforms CYP3A4, CYP2C9, CYP2E1, and CYP3A5, with CYP3A4 being the most active enzyme in the (3S)-hydroxy quinidine formation. (3S)-hydroxy Quinidine prolongs repolarization of canine Purkinje fibers in vitro and prevents ventricular fibrillation and ventricular tachycardia after coronary reperfusion in isolated rat hearts in a dose-dependent manner.
Targets(IC50)	Others, Drug Metabolite

Solubility Information

Solubility	Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9375 mL	14.6877 mL	29.3755 mL
5 mM	0.5875 mL	2.9375 mL	5.8751 mL
10 mM	0.2938 mL	1.4688 mL	2.9375 mL
50 mM	0.0588 mL	0.2938 mL	0.5875 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481