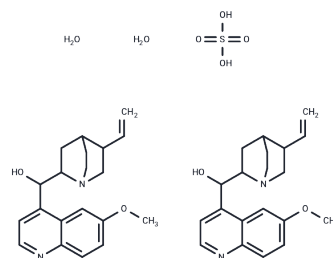


Quinidine sulfate dihydrate

Chemical Properties

CAS No. :	6591-63-5
Formula:	C ₄₀ H ₅₄ N ₄ O ₁₀ S
Molecular Weight:	782.9
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Quinidine sulfate dihydrate (Pitayine Sodium) is a potent and selective cytochrome P450db inhibitor
Targets(IC50)	P450

Solubility Information

Solubility	H ₂ O: 9 mg/mL (13.87 mM), DMSO: 100 mg/mL (154.12 mM), Ethanol: 100 mg/mL (154.12 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2773 mL	6.3865 mL	12.773 mL
5 mM	0.2555 mL	1.2773 mL	2.5546 mL
10 mM	0.1277 mL	0.6387 mL	1.2773 mL
50 mM	0.0255 mL	0.1277 mL	0.2555 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

Tsuruo T , Iida H , Kitatani Y , et al. Effects of Quinidine and Related Compounds on Cytotoxicity and Cellular Accumulation of Vincristine and Adriamycin in Drugresistant Tumor Cells[J]. Cancer Research, 1984, 44(10):4303-

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