

**Product Name:** Quinine hydrochloride

**Catalog No.:** 4114

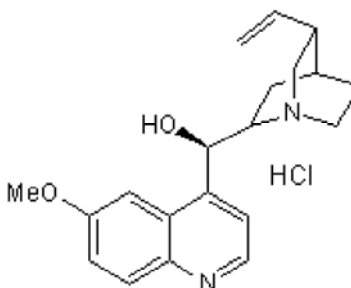
**Batch No.:** 2

CAS Number: 130-89-2

IUPAC Name: (R)-(6-Methoxyquinolin-4-yl)((2S,4S,8R)- 8-vinylquinuclidin-2-yl)methanol hydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>O<sub>2</sub>.HCl.1½H<sub>2</sub>O  
**Batch Molecular Weight:** 387.9  
**Physical Appearance:** White solid  
**Solubility:** water to 100 mM  
DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 92.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	61.93	7.28	7.22
Found	62.09	7.26	7.26

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**Description:**

Displays antimalarial and muscle relaxant properties. Stereoisomer of quinidine (Cat. No. 4108); closely related to chloroquine (Cat. No. 4109).

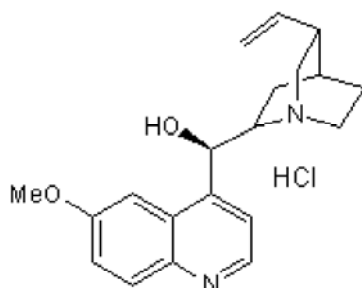
**Physical and Chemical Properties:**

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**References:**

Merck Index **14** 8061.

**Storage:** Store at -20°C

**Solubility & Usage Info:**

water to 100 mM

DMSO to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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