1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{17}\text{H}_{19}\text{NO}_3\cdot\text{HCl} \)

Batch Molecular Weight: 321.8

Physical Appearance: White solid

Solubility: water to 50 mM

Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows 99.9% purity

Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Morphine hydrochloride
Catalog No.: 5158
Batch No.: 1

CAS Number: 52-26-6
IUPAC Name: 7,8-Didehydro-4,5-epoxy-17-methyl-(5α,6α)-morphinan-3,6-diol hydrochloride

Description:
Narcotic opioid analgesic.

Physical and Chemical Properties:
Batch Molecular Formula: C_{17}H_{19}NO_3.HCl
Batch Molecular Weight: 321.8
Physical Appearance: White solid
Minimum Purity: ≥99%
Batch Molecular Structure:

Storage: Store at RT

Solubility & Usage Info:
water to 50 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.

Other Information:
INFORMATION FOR CUSTOMERS IN THE UK ONLY
This product is a Schedule 2 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

References:
Merck Index 12 1074.