

Certificate of Analysis

Product Name: Oxycodone hydrochloride

Catalog No.: 3958

Batch No.: 1

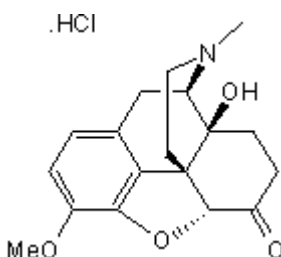
CAS Number: 124-90-3

EC Number: 204-717-1

IUPAC Name: (5 α)-4,5-Epoxy-14-hydroxy-3-methoxy-17-methylmorphinan-6-one hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₂₁NO₄.HCl
Batch Molecular Weight: 351.82
Physical Appearance: White crystalline solid
Solubility: water to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.5% purity
Optical Rotation: $[\alpha]_D = -145.6$ (Concentration = 2, Solvent = Water)

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: Oxycodone hydrochloride

Catalog No.: 3958

Batch No.: 1

CAS Number: 124-90-3

EC Number: 204-717-1

IUPAC Name: (5 α)-4,5-Epoxy-14-hydroxy-3-methoxy-17-methylmorphinan-6-one hydrochloride

Description:

Potent and selective μ -opioid receptor agonist (K_i values are 16 and >1000 nM for hMOR1 and hKOR1 respectively).

Physical and Chemical Properties:

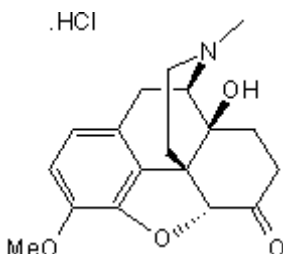
Batch Molecular Formula: C₁₈H₂₁NO₄.HCl

Batch Molecular Weight: 351.82

Physical Appearance: White crystalline solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water 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.

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.

INFORMATION FOR CUSTOMERS IN THE USA ONLY

This product is a Schedule II DEA controlled substance and customers in the USA are required to hold a controlled substance registration in order to purchase and possess this material (in accordance with Title 21 code of federal regulations part 1300 to end).

INFORMATION FOR CUSTOMERS IN CANADA ONLY

This product is a Schedule I CDSA controlled substance and customers in Canada require an import permit to purchase this material.

References:

Lalovic et al (2006) Pharmacokinetics and pharmacodynamics of oral oxycodone in healthy human subjects: role of circulating active metabolites. *Clin.Pharmacol.Ther.* **79** 461. PMID: 16678548.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956