Certificate of Analysis



Product Identification

Chemical Structure

Catalog number HB245

Compound name Naloxone hydrochloride

Chemical name (5α)-4,5-Epoxy-3,14-dihydro-17-(2-propenyl)morphinan-6-one

White to pale off-white solid

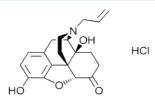
Soluble in water (100 mM)

hydrochloride

Batch number E0554-1-1

Batch molecular formula C₁₉H₂₁NO₄.HCl.2H₂O

Batch molecular weight 399.87



Meets specification: White solid

Meets specification

 Method
 QC requirement
 QC Result

 HPLC NMR
 Reverse Phase HPLC shows >98% purity 1H NMR in D₂O at 400 MHz consistent with structure
 Meets specification: 100% by HPLC Meets specification

 Mass spectrum
 Electrospray positive analysis consistent with structure
 Meets specification

 Microanalysis
 Elemental analysis is within 0.4% for the batch molecular formula
 Meets specification

Biological validation

Physical appearance

Solubility

Produced by Richard Patterson

Signature

Passed by Huw Davies

Signature

Date

13-02-17

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.