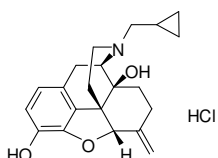




Certificate of Analysis

Axon Catalogue ID: 1573 **Batch Number:** 1
Product Name: Nalmefene hydrochloride
Alternative Name(s): N.A.
IUPAC Name: 17-cyclopropylmethyl-4,5 α -epoxy-6-methylenemorphan-3,14-diol

Structure:



Amount:

CAS number: 58895-64-0
Batch Molecular Formula: C₂₁H₂₅NO₃.HCl **Batch MW:** 375.89
Appearance: Off-white solid **Observed mp:** 204 °C
TLC (R_f): 0.4 DCM/MeOH (9:1)
Chemical Purity: 99.0%
Optical Purity (ee): Optically pure
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 67.10 , H 6.97 , N 3.73 Found: C ND , H ND , N ND
Storage Conditions: Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	31.0	82.5	
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	37.6	>100 mM	
EtOH			Not Tested

Remarks:

QC Date: 05-10-2010

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only