Product Name: nor-Binaltorphimine dihydrochloride
Catalog No.: 0347
Batch No.: 12

CAS Number: 113158-34-2
IUPAC Name: 17,17’-(Dicyclopropylmethyl)-6,6’,7,7’-6,6’,7,7’-imino- 7,7’-binorphinan-3,4’,14,14’-tetrol dihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{40}H_{43}N_{3}O_{6}.2HCl.2\frac{1}{2}H_{2}O
Batch Molecular Weight: 779.76
Physical Appearance: Off White solid
Solubility: water to 25 mM with gentle warming
phosphate buffered saline to 50 mM with gentle warming
DMSO to 25 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

TLC: 
R_f = 0.4 (Chloroform:Methanol:Ammonia soln. [9:1:0.1])
HPLC: Shows 99.5% purity
^1H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis: Carbon Hydrogen Nitrogen

Theoretical 61.61 6.46 5.39
Found 61.52 6.67 5.22
Product Information

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Description:
A selective κ-opioid receptor antagonist.

Physical and Chemical Properties:
Batch Molecular Formula: C_{40}H_{42}N_{2}O_{6}.2HCl.2½H_{2}O
Batch Molecular Weight: 779.76
Physical Appearance: Off White solid
Minimum Purity: >98%

Batch Molecular Structure:

Storage: Store at -20°C

Solubility & Usage Info:
- Water to 25 mM with gentle warming
- Phosphate buffered saline to 50 mM with gentle warming
- DMSO to 25 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.

Licensing Information:
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References: