Product Name: Cyprodime hydrochloride
Catalog No.: 2601
Batch No.: 5
IUPAC Name: 17-(Cyclopropylmethyl)-4,14-dimethoxymorphinan-6-one hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: C_{22}H_{29}NO_{3}.HCl.\frac{1}{2}H_2O
   Batch Molecular Weight: 400.94
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM
             ethanol to 100 mM
   Storage: Desiccate at +4°C
   Batch Molecular Structure:

2. ANALYTICAL DATA

   TLC: R_f = 0.45 (Dichloromethane:Methanol [9:1])
   HPLC: Shows >99.1% purity
   ^1H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:
     |   |   |   |
     C | H | N |
     65.82 | 7.8 | 3.52
     Theoretical: 65.9 | 7.79 | 3.49

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**Product Name:** Cyprodime hydrochloride  
**IUPAC Name:** 17-(Cyclopropylmethyl)-4,14-dimethoxymorphinan-6-one hydrochloride  
**Catalog No.:** 2601  
**Batch No.:** 5

**Description:**  
Selective μ-opioid receptor antagonist (Kᵦ values are 5.4, 244.6 and 2187 nM for μ-, δ- and κ-opioid receptors respectively). Reduces levodopa-induced dyskinesia in the MPTP-lesioned primate model of Parkinson’s disease.

**Physical and Chemical Properties:**  
Batch Molecular Formula: C₂₂H₂₉NO₃.HCl.½H₂O  
Batch Molecular Weight: 400.94  
Physical Appearance: White solid  
Minimum Purity: >98%

**Storage:** Desiccate at +4°C

**Solubility & Usage Info:**  
DMSO to 100 mM  
ethanol 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 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).

**References:**  