Product Name: JTC 801
Catalog No.: 2481
Batch No.: 4

CAS Number: 244218-51-7
IUPAC Name: N-(4-Amino-2-methyl-6-quinolinyl)-2-[(4-ethylphenoxy)methyl]benzamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** C_{26}H_{25}N_{3}O_{2}.HCl.1¼H_{2}O
- **Batch Molecular Weight:** 470.48
- **Physical Appearance:** White solid
- **Solubility:** DMSO to 100 mM, ethanol to 20 mM
- **Storage:** Desiccate at RT

2. ANALYTICAL DATA

- **HPLC:** Shows 98.2% purity
- **^1H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Theoretical: Carbon 66.38, Hydrogen 6.11, Nitrogen 8.93
  - Found: Carbon 66.2, Hydrogen 6.08, Nitrogen 8.8
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CAS Number: 244218-51-7
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Description:
High affinity, selective NOP receptor antagonist ($K_i = 8.2$ nM). Displays approximately 12.5-, 129- and 1055-fold selectivity over human $\mu$-, $\kappa$- and $\delta$-opioid receptors respectively. Exhibits anti-nociceptive effects in acute pain models in vivo. Orally active.

Physical and Chemical Properties:
Batch Molecular Formula: $C_{26}H_{25}N_2O_2\cdot HCl\cdot 1\frac{1}{4}H_2O$
Batch Molecular Weight: 470.48
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Desiccate at RT

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 20 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.

References:
