Product Name: RS 67333 hydrochloride
Catalog No.: 0989
Batch No.: 7
CAS Number: 168986-60-5
IUPAC Name: 1-(4-Amino-5-chloro-2-methoxyphenyl)-3-[1-butyl-4-piperidinyl]-1-propanone hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{19}H_{29}ClN_{2}O_{2}.HCl.\frac{1}{4}H_{2}O
Batch Molecular Weight: 393.86
Physical Appearance: White solid
Solubility: water to 25 mM with gentle warming
Storage: Store at RT

2. ANALYTICAL DATA

TLC: R_f = 0.55 (Dichloromethane: Methanol: Ammonia soln. [9:1:4])
HPLC: Shows 99.6% purity
^1H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

\begin{align*}
\text{Carbon} & \quad \text{Hydrogen} & \quad \text{Nitrogen} \\
\text{Theoretical} & \quad 57.94 & \quad 7.8 & \quad 7.02 \\
\text{Found} & \quad 58.06 & \quad 7.71 & \quad 7.11
\end{align*}

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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Description:
A potent and highly selective 5-HT₄ partial agonist, with pKᵢ values of 8.7 at 5-HT₄ sites in guinea pig striatum and > 6 at various other receptors, including 5-HT₁A, 1D, 2A, 2C, D₁, D₂ and M₁-3. Active in vivo, with an intrinsic activity relative to 5-HT of 0.5.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₉H₂₉ClN₂O₆.HCl.½H₂O
Batch Molecular Weight: 393.86

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:

Storage: Store at RT

Solubility & Usage Info:
water to 25 mM with gentle warming

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:
