1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{18}H_{19}N_3O.HCl.\frac{1}{2}H_2O \)
Batch Molecular Weight: 361.35
Physical Appearance: Off White solid
Solubility: water to 50 mM
DMSO to 100 mM
ethanol to 25 mM
Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows 100% purity

\(^1\)H NMR: Consistent with structure

Mass Spectrum: Consistent with structure
Microanalysis: Carbon Hydrogen Nitrogen

\[
\begin{align*}
\text{Theoretical} & : & 59.83 & 6.55 & 11.63 \\
\text{Found} & : & 59.69 & 6.6 & 11.6
\end{align*}
\]
**Product Name:** Ondansetron hydrochloride  
**Catalog No.:** 2891  
**Batch No.:** 2

**CAS Number:** 99614-01-4  
**IUPAC Name:** 1,2,3,9-Tetrahydro-9-methyl-3-[(2-methyl-1H-imidazol-1-yl)methyl]-4H-carbazol-4-one hydrochloride

**Description:** Selective 5-HT<sub>3</sub> receptor antagonist (K<sub>i</sub> = 6.16 nM). Antiemetic; prevents emesis induced by cytotoxic drugs and radiation.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C<sub>18</sub>H<sub>19</sub>N<sub>3</sub>O.HCl.1¾H<sub>O</sub>  
- **Batch Molecular Weight:** 361.35  
- **Physical Appearance:** Off White solid  
- **Minimum Purity:** >99%

**Storage:** Store at RT

**Solubility & Usage Info:**
- water to 50 mM  
- DMSO to 100 mM  
- ethanol 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.

**References:**