1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_{18}\text{H}_{13}\text{ClF}_2\text{N}_3\cdot\text{HCl}$

Batch Molecular Weight: 362.23

Physical Appearance: White solid

Solubility: water to 25 mM

Storage: Desiccate at RT

2. ANALYTICAL DATA

HPLC: Shows 99.8% purity
**Description:**
Sedative/hypnotic agent that acts at the GABA\(_A\) receptor benzodiazepine modulatory site.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C\(_{18}\)H\(_{13}\)ClFN\(_2\)HCl
- **Batch Molecular Weight:** 362.23
- **Physical Appearance:** White solid
- **Minimum Purity:** >99%

**Storage:**
Desiccate at RT

**CAUTION** - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**
- **water to 25 mM**
  The solubility of Midazolam hydrochloride in water is pH dependent. At pH 3.5, the solubility is greater than 25mM.

**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 UK ONLY**
This product is a Schedule 3 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

**INFORMATION FOR CUSTOMERS IN THE USA ONLY**
This product is a Schedule IV 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).

**INFORMATION FOR CUSTOMERS IN CANADA ONLY**
This product is a Schedule IV CDSA controlled substance and customers in Canada require an import permit to purchase this material.

**References:**