1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_18\text{H}_{13}\text{ClF}_3\text{N}_3\text{HCl} \)
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
**Product Information**

**Product Name:** Midazolam hydrochloride  
**Catalog No.:** 2832  
**Batch No.:** 3

**CAS Number:** 59467-96-8  
**IUPAC Name:** 8-Chloro-6-(2-fluorophenyl)-1-methyl-4H-imidazo[1,5-a][1,4]benzodiazepine hydrochloride

**Description:**
Midazolam hydrochloride is a sedative/hypnotic agent that acts at the GABA<sub>A</sub> receptor benzodiazepine modulatory site.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C<sub>18</sub>H<sub>13</sub>ClFN<sub>3</sub>.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.

**References:**