Product Name: Midazolam hydrochloride
Catalog No.: 2832
Batch No.: 3
CAS Number: 59467-96-8
EC Number: 261-776-6
IUPAC Name: 8-Chloro-6-(2-fluorophenyl)-1-methyl-4H-imidazo[1,5-a][1,4]benzodiazepine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{18}\text{H}_{13}\text{ClF}_{3}\text{N}_{3}\cdot\text{HCl} \)
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
**Product Information**

**Product Name:** Midazolam hydrochloride

**CAS Number:** 59467-96-8

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

**Catalog No.:** 2832

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**Description:**
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>ClF<sub>3</sub>N<sub>3</sub>·HCl
- **Batch Molecular Weight:** 362.23
- **Physical Appearance:** White solid
- **Minimum Purity:** >99%

**Batch Molecular Structure:**

![Molecular Structure](image)

**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:**


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**Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use**