Product Name: Fluvoxamine maleate

CAS Number: 61718-82-9

IUPAC Name: (E)-5-Methoxy-1-[4-(trifluoromethyl)phenyl]-1-pentanone-O-(2-aminoethyl)oxime maleate

1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $C_{15}H_{21}F_3N_2O_5.C_4H_4O_4$
- **Batch Molecular Weight:** 434.41
- **Physical Appearance:** White solid
- **Solubility:** water to 10 mM
- **Storage:** Desiccate at +4°C

2. ANALYTICAL DATA

- **HPLC:** Shows 99.9% purity
- **$^1$H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  
<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
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<tr>
<td>Carbon</td>
<td>52.53</td>
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<tr>
<td>Hydrogen</td>
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<td>5.75</td>
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<tr>
<td>Nitrogen</td>
<td>6.45</td>
<td>6.43</td>
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</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**Product Name:** Fluvoxamine maleate  
**Catalog No.:** 1033  
**Batch No.:** 6

### Description:
Selective serotonin reuptake inhibitor; antidepressant. Binds to the human 5-HT transporter with a $K_i$ of 1.6 nmol/l.

### Physical and Chemical Properties:
- **Batch Molecular Formula:** $C_{15}H_{21}F_3N_2O_2.C_4H_4O_4$
- **Batch Molecular Weight:** 434.41
- **Physical Appearance:** White solid
- **Minimum Purity:** >99%

### Storage:
Desiccate at +4°C

### Solubility & Usage Info:
- **Solubility:** water to 10 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: