Product Name: \(a\)-Methyl-5-hydroxytryptamine maleate
CAS Number: 97469-12-0

1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** \(C_{11}H_{14}N_{2}O.C_{4}H_{4}O_{4}.\frac{1}{4}H_{2}O\)
- **Batch Molecular Weight:** 310.82
- **Physical Appearance:** Grey solid
- **Solubility:** water to 10 mM
  DMSO to 100 mM
- **Storage:** Store at -20°C

2. ANALYTICAL DATA

- **TLC:** \(R_f = 0.7\) (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])
- **HPLC:** Shows >98.8% purity
- **\(^1\)H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  Carbon Hydrogen Nitrogen
  Theoretical 57.96  6  9.01
  Found 58.09  5.88  9.1

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: α-Methyl-5-hydroxytryptamine maleate
Catalog No.: 0557
Batch No.: 5
CAS Number: 97469-12-0

Description:
5-HT₂ receptor selective agonist with pKᵢ values of 8.4, 6.1 and 7.3 at 5-HT₂, 5-HT₂A and 5-HT₂C receptors respectively.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₁H₁₄N₂O.C₂H₄O₄.½H₂O
Batch Molecular Weight: 310.82
Physical Appearance: Grey solid

Minimum Purity: ≥98%

Batch Molecular Structure:

\[
\text{HO} \quad \text{NH}_2 \\
\text{Me} \\
\text{C}_4\text{H}_4\text{O}_4
\]

Storage: Store at -20°C

Solubility & Usage Info:
- water to 10 mM
- DMSO to 100 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.

Other Information:
INFORMATION FOR CUSTOMERS IN THE UK ONLY
This product is a Schedule 1 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: