1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{20}H_{21}FN_2O.C_2H_2O_4 \)
Batch Molecular Weight: 414.43
Physical Appearance: White solid
Solubility:
- water to 50 mM
- DMSO to 100 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

HPLC: Shows 99.7% purity
Chiral HPLC: Shows 100% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: \([\alpha]_D = -13.6\) (Concentration = 2, Solvent = Methanol)
Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>63.76</td>
<td>63.88</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.59</td>
<td>5.7</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>6.76</td>
<td>6.79</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: (R)-Citalopram oxalate
Catalog No.: 5763      Batch No.: 1
CAS Number: 219861-53-7
IUPAC Name: (-)-(R)-1-[3-(Dimethylamino)propyl]-1-(4-fluorophenyl)-1,3-dihydro-5-isobenzofurancarbonitrile oxalate

Description:
Enantiomer of escitalopram oxalate. Postulated to allosterically modulate the affinity of the S-enantiomer. Racemate and S-enantiomer also available.

Physical and Chemical Properties:
Batch Molecular Formula: C_{20}H_{21}FN_{2}O.C_{2}H_{2}O_{4}
Batch Molecular Weight: 414.43
Physical Appearance: White solid
Minimum Purity: >98%
Batch Molecular Structure:

Storage: Store at +4°C

Solubility & Usage Info:
water to 50 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.

References: