Product Name: Reboxetine mesylate  
Catalog No.: 1982  
Batch No.: 7

CAS Number: 98769-84-7  
IUPAC Name: \((2^R)-2-\{(2^R)-[2\text{-Ethoxyphenoxy}]\text{phenylmethyl}\}\text{morpholine mesylate}\)

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \(\text{C}_{19}\text{H}_{23}\text{NO}_3\cdot\text{CH}_3\text{SO}_3\text{H} \cdot \frac{1}{4}\text{H}_2\text{O}\)

Batch Molecular Weight: 414

Physical Appearance: Beige solid

Solubility:  
- Water to 50 mM  
- DMSO to 50 mM

Storage: Store at +4°C

Batch Molecular Structure:

![Molecular Structure Image]

(and enantiomer)

2. ANALYTICAL DATA

HPLC: Shows 99.9% purity

\(^1\text{H} \text{NMR}:\) Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon (C)</td>
<td>58.02</td>
<td>58.04</td>
</tr>
<tr>
<td>Hydrogen (H)</td>
<td>6.7</td>
<td>6.59</td>
</tr>
<tr>
<td>Nitrogen (N)</td>
<td>3.38</td>
<td>3.33</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Description:
Reboxetine mesylate is a potent and selective inhibitor of noradrenalin uptake (K values are 1.1, 129 and > 10000 nM for rat NET, SERT and DAT respectively). Displays > 1000-fold selectivity over α-adrenoceptors, 5-HT, dopamine and muscarinic ACh receptors. Orally active antidepressant.

Physical and Chemical Properties:
Batch Molecular Formula: C_{19}H_{23}NO_{3}.CH_{3}SO_{3}H.\frac{1}{4}H_{2}O
Batch Molecular Weight: 414
Physical Appearance: Beige solid
Minimum Purity: ≥99%
Batch Molecular Structure:

Storage: Store at +4°C

Solubility & Usage Info:
water to 50 mM
DMSO to 50 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: