1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \[ C_{16}H_{25}NO_2 \cdot C_4H_6O_4 \cdot H_2O \]
Batch Molecular Weight: 399.48
Physical Appearance: White solid
Solubility: water to 50 mM, DMSO to 100 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

HPLC: Shows 100% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theory</td>
<td>60.13</td>
<td>8.33</td>
<td>3.51</td>
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<tr>
<td>Found</td>
<td>60.05</td>
<td>8.44</td>
<td>3.63</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: WY 45233 succinate

CAS Number: 448904-47-0
IUPAC Name: 4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol succinate

Description:
Serotonin and noradrenalin reuptake inhibitor (SNRI); selective for human serotonin (SERT) and noradrenalin (NET) transporters against 96 other targets (K values are 40.2 and 558.4 nM for SERT and NET respectively). Inhibits [H]5-HT and [H]NE uptake (IC50 values are 47.3 and 531.3 nM). Salt form of the major active metabolite of venlafaxine (Cat. No. 2917).

Physical and Chemical Properties:
Batch Molecular Formula: C16H22NO2.C4H6O4.H2O
Batch Molecular Weight: 399.48
Physical Appearance: White solid
Minimum Purity: >99%

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: