Product Name: JHW 007 hydrochloride
Catalog No.: 4351
Batch No.: 1
CAS Number: 202645-74-7
IUPAC Name: (3-endo)-3-[Bis(4-fluorophenyl)methoxy]-8-butyl-8-azabicyclo[3.2.1]octane hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{24}H_{29}F_2NO\cdot HCl \)
Batch Molecular Weight: 421.95
Physical Appearance: White solid
Solubility:
- DMSO to 100 mM
- Ethanol to 100 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.7 \) (Dichloromethane:Methanol:Ammonia soln. [9:1:0.05])
HPLC: Shows 100% 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>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>68.32</td>
<td>68.46</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>7.17</td>
<td>7.22</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>3.32</td>
<td>3.33</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: JHW 007 hydrochloride

CAS Number: 202645-74-7

IUPAC Name: (3-endo)-3-[Bis(4-fluorophenyl)methoxy]-8-butyl-8-azabicyclo[3.2.1]octane hydrochloride

Description:
Dopamine uptake inhibitor; displays high affinity for the dopamine transporter (DAT) (Kᵢ = 25 nM compared to 1330 and 1730 for NET and SERT respectively). Suppresses the effects of cocaine administration in a dose-dependent manner and decreases cocaine and methamphetamine self-administration in rats.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₅H₂₉F₂NO.HCl
Batch Molecular Weight: 421.95
Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:

Storage: Store at -20°C

Solubility & Usage Info:
DMSO to 100 mM ethanol 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:

