1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{21}H_{23}F_2NO\cdot HCl \cdot H_2O \)

Batch Molecular Weight: 399.91

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Store at RT

Batch Molecular Structure:

![Molecular Structure Image]

2. ANALYTICAL DATA

TLC: \( R_f = 0.3 \) (Dichloromethane:Methanol [9:1])

Melting Point: At 198°C

\(^1\)H NMR: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
<th>Chlorine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>63.07</td>
<td>6.55</td>
<td>3.5</td>
<td>8.87</td>
</tr>
<tr>
<td>Found</td>
<td>63.24</td>
<td>6.57</td>
<td>3.41</td>
<td>8.95</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: 3α-Bis-(4-fluorophenyl) methoxytropane hydrochloride
Catalog No.: 0918  Batch No.: 1
CAS Number: 202646-03-5

Description:
Potent inhibitor of dopamine uptake and transport (Kᵢ = 11.8 nM).

Physical and Chemical Properties:
Batch Molecular Formula: C₁₁₀H₁₁₂F₂NO.HCl.H₂O
Batch Molecular Weight: 399.91
Physical Appearance: White solid

Storage: Store at RT

Solubility & Usage Info:
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: