Product Name: Sarpogrelate hydrochloride  
CAS Number: 135159-51-2  
IUPAC Name: Succinic acid mono-(1-dimethylaminomethyl-2-(2-[2-(3-methoxyphenyl)ethyl]phenoxy)ethyl) ester hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{24}H_{31}NO_6\cdot HCl$
Batch Molecular Weight: 465.97
Physical Appearance: White solid
Solubility: water to 25 mM  
DMSO to 100 mM
Storage: Desiccate at RT

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>
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<td>Theoretical</td>
<td>61.86</td>
<td>6.92</td>
<td>3.01</td>
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<tr>
<td>Found</td>
<td>61.94</td>
<td>6.96</td>
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</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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Description:
Selective 5-HT$_{2A}$ receptor antagonist (pK$_A$ values are 8.52, 7.43 and 6.57 for 5-HT$_{2A}$, 5-HT$_{2C}$ and 5-HT$_{2B}$ receptors respectively). Displays selectivity over 5-HT$_3$, 5-HT$_4$, 5-HT$_1$, H$_3$, H$_2$, M$_3$, a$_1$-adrenergic, a$_2$-adrenergic and b-adrenergic receptors. Displays cardioprotective activity in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C$_{24}$H$_{31}$NO$_6$.HCl
Batch Molecular Weight: 465.97
Physical Appearance: White solid
Minimum Purity: >99%

Batch Molecular Structure:

![Molecular Structure](image)

Storage: Desiccate at RT

Solubility & Usage Info:
- Water to 25 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:
