1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:  $\text{C}_8\text{H}_{11}\text{NO}_3\text{.HBr}$.
Batch Molecular Weight: 250.09
Physical Appearance: Brown solid
Solubility: water to 100 mM, DMSO to 100 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

$^1$H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis: Carbon Hydrogen Nitrogen

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
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</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>38.42</td>
<td>38.85</td>
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<tr>
<td>Hydrogen</td>
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<td>4.64</td>
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<tr>
<td>Nitrogen</td>
<td>5.6</td>
<td>5.53</td>
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</table>
Product Name: 6-Hydroxydopamine hydrobromide
Catalog No.: 2547
EC Number: 211-247-0

Description:
6-Hydroxydopamine hydrobromide is a selective catecholaminergic neurotoxin. Depletes brain catecholamine levels via uptake and accumulation by a transport mechanism specific to these neurons. Causes almost complete destruction of nigral dopaminergic neurons and their striatal terminals when injected into the substantia nigra of rats, producing an animal model of Parkinson's disease.

Physical and Chemical Properties:
Batch Molecular Formula: C₆H₁₁NO₃.HBr.
Batch Molecular Weight: 250.09
Physical Appearance: Brown solid

Storage: Store at -20°C
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:
water to 100 mM
DMSO to 100 mM
CAUTION: This product is very sensitive to air and light promoted oxidation. Therefore, as a precautionary measure we recommend that the solid material be stored at -20°C, away from light. Solutions should be freshly prepared and protected from exposure to light. We recommend that solutions are prepared by dissolving the compound in oxygen-free water containing 0.1% sodium metabisulfite. CAUTION - This product is hygroscopic and we recommend that it is desiccated upon arrival.

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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:
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: