**Product datasheet**

**Amiodarone hydrochloride ab141444**

**Overview**

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Amiodarone hydrochloride</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Broad-spectrum ion channel blocker. Antiarrhythmic agent.</td>
</tr>
<tr>
<td><strong>Biological description</strong></td>
<td>Broad-spectrum ion channel blocker. Class III antiarrhythmic agent. Blocks late I&lt;sub&gt;Na&lt;/sub&gt;, I&lt;sub&gt;Ca&lt;/sub&gt;, I&lt;sub&gt;K&lt;/sub&gt;, and I&lt;sub&gt;Ks&lt;/sub&gt; and increases QT. Shows beta blocker-like effects on the SA and AV nodes in vivo. Orally active.</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>&gt; 98%</td>
</tr>
</tbody>
</table>

**Properties**

<table>
<thead>
<tr>
<th><strong>Chemical name</strong></th>
<th>(2-Butyl-1-benzofuran-3-yl)-[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone hydrochloride</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Molecular weight</strong></td>
<td>681.77</td>
</tr>
<tr>
<td><strong>Chemical structure</strong></td>
<td><img src="image" alt="Chemical structure" /></td>
</tr>
<tr>
<td><strong>Molecular formula</strong></td>
<td>C&lt;sub&gt;25&lt;/sub&gt;H&lt;sub&gt;29&lt;/sub&gt;I&lt;sub&gt;2&lt;/sub&gt;NO&lt;sub&gt;3&lt;/sub&gt;\cdot HCl</td>
</tr>
<tr>
<td><strong>CAS Number</strong></td>
<td>19774-82-4</td>
</tr>
<tr>
<td><strong>PubChem identifier</strong></td>
<td>441325</td>
</tr>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.</td>
</tr>
<tr>
<td><strong>Solubility overview</strong></td>
<td>Soluble in water to 50 mM</td>
</tr>
<tr>
<td><strong>Handling</strong></td>
<td>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</td>
</tr>
<tr>
<td><strong>SMILES</strong></td>
<td>CCCCC1=C(C2=CC=CC=C2O1)(=O)C3=CC(=C(C(=C3)_OCCN(C(C)CC))_Cl)</td>
</tr>
<tr>
<td><strong>Source</strong></td>
<td>Synthetic</td>
</tr>
</tbody>
</table>
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