# Compound 48/80 trihydrochloride ab144520

## Overview

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
<td>Compound 48/80 trihydrochloride</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>G protein activator; mast cell degranulator</td>
</tr>
<tr>
<td><strong>Biological description</strong></td>
<td>G protein activator; mast cell degranulator. Promotes histamine release, inhibits CaM (calmodulin), inhibits PLC (phospholipase C) and activates G proteins. Mechanism analogous to mastoparan (ab142444). Active <em>in vivo</em> and <em>in vitro</em>.</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>&gt; 98%</td>
</tr>
</tbody>
</table>

## Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Molecular weight</strong></td>
<td>630.10</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$<em>{32}$H$</em>{46}$N$_3$O$_3$·3HCl</td>
</tr>
<tr>
<td><strong>CAS Number</strong></td>
<td>94724-12-6</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 100 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. Toxic, refer to SDS for further information. 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>Cl.Cl.Cl.COC2c(cc(cc2Cc1cc(CCNC)cCC1OC)CCNC)Cc3cc(CCNC)ccc3OC</td>
</tr>
<tr>
<td><strong>Source</strong></td>
<td>Synthetic</td>
</tr>
</tbody>
</table>
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