1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_8H_{20}ClN \)
Batch Molecular Weight: 165.2
Physical Appearance: White solid
Solubility: water to 100 mM
Storage: Desiccate at RT

2. ANALYTICAL DATA

\(^1H\) NMR:
Consistent with structure
**Product Information**

**Product Name:** Tetraethylammonium chloride  
**Catalog No.:** 3068  
**EC Number:** 200-267-5  
**Batch No.:** 2

<table>
<thead>
<tr>
<th>CAS Number: 56-34-8</th>
<th>EC Number: 200-267-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>IUPAC Name: ( N,N,N,N)-Tetraethylammonium chloride</td>
<td></td>
</tr>
</tbody>
</table>

**Description:**  
Non-selective K⁺ channel blocker.

**Physical and Chemical Properties:**  
- **Batch Molecular Formula:** \( C_8H_{20}ClN \)  
- **Batch Molecular Weight:** 165.2  
- **Physical Appearance:** White solid

**Batch Molecular Structure:**

\[
\begin{align*}
\text{Et} & \quad \text{Et} \\
\text{N} & \quad \text{Et} \\
\text{Et} & \quad \text{Cl}
\end{align*}
\]

**Storage:** Desiccate at RT

**Solubility & Usage Info:**  
water 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:**  

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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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