

Certificate of Analysis

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Product Name: Tetraethylammonium chloride

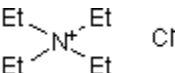
Catalog No.: 3068

Batch No.: 1

CAS Number: 56-34-8

IUPAC Name: *N,N,N,N*-Tetraethylammonium chloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₈ H ₂₀ ClN
Batch Molecular Weight:	165.2
Physical Appearance:	solid
Solubility:	water to 100 mM
Storage:	Desiccate at RT
Batch Molecular Structure:	

2. ANALYTICAL DATA

¹H NMR:	Consistent with structure
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Name: Tetraethylammonium chloride

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Batch No.: 1

CAS Number: 56-34-8

IUPAC Name: N,N,N,N-Tetraethylammonium chloride

Description:

Non-selective K⁺ channel blocker.

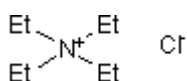
Physical and Chemical Properties:

Batch Molecular Formula: C₈H₂₀ClN

Batch Molecular Weight: 165.2

Physical Appearance: solid

Batch Molecular Structure:



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:

Niu et al (2008) Vasorelaxant effect of taurine is diminished by tetraethylammonium in rat isolated arteries. *Eur.J.Pharmacol.* **580** 169. PMID: 17997400.

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