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DATASHEET

Tetraethylammonium chloride (TEA)

Product overview

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|--------------------------|--|
| Name | Tetraethylammonium chloride (TEA) |
| Cat No | HB1088 |
| Alternative names | TEA |
| Biological action | Blocker |
| Description | Non-selective K ⁺ channel blocker |

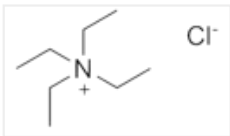
Biological Data

| | |
|-------------------------------|---|
| Biological description | Non-selective K ⁺ channel blocker. Induces synaptic plasticity in the hippocampus. Causes vascular smooth muscle contractions. |
|-------------------------------|---|

Solubility & Handling

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|-----------------------------|---|
| Storage instructions | Room temperature (desiccate) |
| Solubility overview | Soluble in water (100mM) |
| Important | This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use. |

Chemical Data

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|---------------------------|--|
| Chemical name | <i>N,N,N,N</i> -Tetraethylammonium chloride |
| Molecular Weight | 165.2 |
| Chemical structure |  The chemical structure shows a central nitrogen atom with a positive charge (N ⁺) bonded to four ethyl groups. A chloride ion (Cl ⁻) is shown as a counterion to the right of the nitrogen atom. |
| Molecular Formula | C ₈ H ₂₀ ClN |
| CAS Number | 56-34-8 |
| PubChem identifier | 5946 |
| SMILES | CC[N+](CC)(CC)CC.[Cl-] |
| InChi | InChI=1S/C8H20N.ClH/c1-5-9(6-2,7-3)8-4;/h5-8H2,1-4H3;1H/q+1;/p-1 |
| InChiKey | YMBCJWGVUCUEGHA-UHFFFAOYSA-M |
| MDL number | MFCD00011828 |
