Product Name: Acetylcholine chloride
CAS Number: 60-31-1
IUPAC Name: 2-(Acetyloxy)-N,N,N-trimethylethanaminium chloride

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: $C_7H_{16}ClNO_2$.
   Batch Molecular Weight: 181.66
   Physical Appearance: White solid
   Solubility:
   - water to 100 mM
   - DMSO to 100 mM
   - ethanol to 75 mM
   Storage: Desiccate at RT

2. ANALYTICAL DATA

   Melting Point: At 152°C
   $^1$H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
Product Name: Acetylcholine chloride

CAS Number: 60-31-1

IUPAC Name: 2-(Acetyloxy)-N,N,N-trimethylethanaminium chloride

Description:
Endogenous neurotransmitter. Acts at nicotinic and muscarinic acetylcholine receptors.

Physical and Chemical Properties:
Batch Molecular Formula: C\textsubscript{7}H\textsubscript{15}ClNO\textsubscript{2}

Batch Molecular Weight: 181.66

Physical Appearance: White solid

Storage: Desiccate at RT. This product is packaged under an inert atmosphere.

Solubility & Usage Info:
- water to 100 mM
- DMSO to 100 mM
- ethanol to 75 mM

CAUTION - This product is very hygroscopic and we recommend that it is desiccated upon arrival.

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. Whenever possible solutions should be made up and used on the same day.

References: