

## Product Data Sheet

Product Name: Acetylcholine Chloride

Cat. No.: GC14142

### Chemical Properties

Cas. No. 60-31-1

Chemical Name 2-acetyloxyethyl(trimethyl)azanium;chloride

SMILES CC(=O)OCC[N+](C)(C)C.[Cl-]

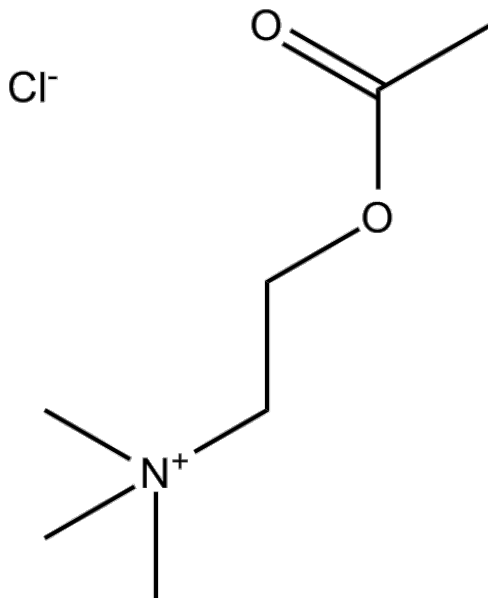
Formula  $C_7H_{16}NO_2 \cdot Cl$  M.Wt 181.66

Solubility  $\geq 9.1\text{mg/mL}$  in Water Storage  $4^\circ\text{C}$ , away from moisture and light

General tips For obtaining a higher solubility, please warm the tube at  $37^\circ\text{C}$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^\circ\text{C}$  for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



### Background

Acetylcholine chloride (ACh chloride) is a common neurotransmitter found in the central and peripheral nerve system.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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### References:

- [1]. Pepeu, G. and P. Blandina, The acetylcholine, GABA, glutamate triangle in the rat forebrain. J Physiol Paris, 1998. 92(5-6): p. 351-5.
- [2]. Israel, M. and Y. Dunant, Acetylcholine release and the cholinergic genomic locus. Mol Neurobiol, 1998. 16(1): p. 1-20.
- [3]. Lei, X., et al., Effects of acetylcholine chloride on intracellular calcium concentration of cultured sweat gland epithelial cells. Arch Dermatol Res, 2008. 300(7): p. 335-41.

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