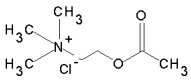

Formula: C7H16ClNO2

MW: 181.66

CAS: 200-468-8, 60-31-1

MDL NUMBER: MFCD00011698

IUPAC: 2-(trimethylamino)ethyl acetate, chloride

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

THERAPEUTIC CATEGORY: Cholinergic

ACCEPTORS: 2

DONORS: 0

ROTATION BONDS: 3

N+O: 3

Chiral Centers: 0

LogP: 2.04

LogS: -2.88

LIPINSKI: 4

Synonyms:
(2-Hydroxyethyl)trimethylammoniumchlorideacetate;2-(acetyloxy)-n,n,n-trimethyl-ethanaminiuchloride;acecholin;acetylcholinehydrochloride;acetylcholiniumchloride;achchloride;ammonium,(2-hydroxyethyl)trimethyl-,chloride,acetate;arterocoline

CAS:60-31-1

MF:C7H16ClNO2

MW:181.66

EINECS:200-468-8

Product Categories:Ammonium Chlorides (Quaternary);Quaternary Ammonium Compounds
Acetylcholine chloride

Chemical Properties: mp 146-150 C(lit.) storage temp. 0-6C solubility H2O: 0.1 g/mL, clear, colorless Water Solubility Soluble IN COLD WATER Sensitive Hygroscopic Merck 14,87 BRN 3571875 Stability:Stable. Substances to be avoided include strong oxidizing agents. Protect from moisture - very hygroscopic.

CAS DataBase Reference: 60-31-1(

CAS DataBase Reference:) EPA Substance Registry SystemEthanaminium, 2-(acetyloxy)-N,N,N-trimethyl-, chloride(60-31-1) Xi Risk Statements 36/37/38 Safety Statements 26-37/39-36 WGK Germany 2 RTECS FZ9800000 F 3-8-10-21 Acetylcholine chloride

Usage And Synthesis:

Chemical Properties: White crystalline powder Biological ActivityEndogenous neurotransmitter. Acts at nicotinic and muscarinic acetylcholine receptors. Acetylcholine chloride