

Product Name : Methacholine Chloride

Synonyms : Methacholine

Cat No. : M15366

CAS Number : 62-51-1

Molecular Formula : C₈H₁₈ClNO₂

Formula Weight : 195.69

Chemical Name : 2-acetyloxypropyl(trimethyl)azanium;chloride

Description : Methacholine chloride is a quaternary ammonium parasympathomimetic agent with the muscarinic actions of acetylcholine. It is hydrolyzed by ACETYLCHOLINESTERASE at a considerably slower rate than ACETYLCHOLINE and is more resistant to hydrolysis by nonspecific CHOLINESTERASES so that its actions are more prolonged. It is used as a parasympathomimetic bronchoconstrictor agent and as a diagnostic aid for bronchial asthma.

Pathway : Endocrinology/Hormones

Target : AChR

Receptor : mAChR

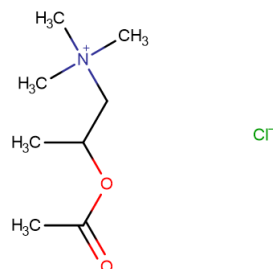
Solubility : DMSO: 42mg/mL

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

Storage : (-20°C)

Stability : ≥ 2 years

Reference :



1. Liu PS, et al. Eur J Pharmacol. 2011 Jan 10;650(1):34-40.