

Methacholine Chloride Biochemical

Methacholine Chloride

CATALOG #
AAA201932

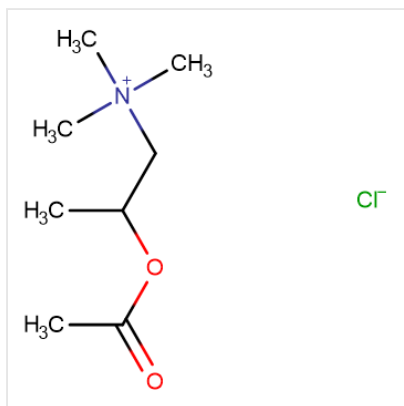
PRODUCT SYNONYMS

Methacholine Chloride; Methacholine; Methacholine Chloride biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	>98% (HPLC)
Suitability	DMSO: 42mg/mL
Target	AChR
Receptor	mAChR
Chemical Name	2-acetyloxypropyl(trimethyl)azanium; chloride
SMILES	<chem>CC(C[N+](C)(C)C)OC(=O)C.[Cl-]</chem>
Molecular Formula	C ₈ H ₁₈ ClNO ₂
CAS Number	62-51-1
Pathway	Endocrinology/Hormones
Preparation and Storage	Store at -20°C Stability: ≥2 years

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for Methacholine Chloride biochemical

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 test aid for bronchial asthma.

Product Categories/Family for Methacholine Chloride biochemical	Endocrinology/Hormones; Other Indications
References	1. Liu PS, et al. Eur J Pharmacol. 2011 Jan 10; 650 (1):34-40.

NCBI AND UNIPROT INFORMATION

Molecular Weight	195.69
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/methacholine-chloride/201932>