

Carbamoylcholine (chloride)

Catalog No: tcsc4836



Available Sizes

Size: 100mg



Specifications

CAS No:

51-83-2

Formula:

$C_6H_{15}ClN_2O_2$

Pathway:

Neuronal Signaling;GPCR/G Protein;Neuronal Signaling;Membrane Transporter/Ion Channel

Target:

mAChR;mAChR;nAChR;nAChR

Purity / Grade:

>98%

Solubility:

DMSO : 6.4 mg/mL (35.04 mM; Need ultrasonic and warming)

Alternative Names:

Carbachol;Carbamylcholine chloride

Observed Molecular Weight:

182.65

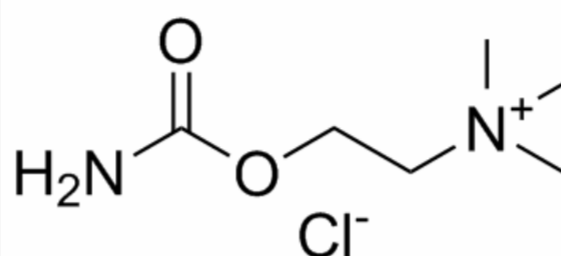
Product Description

Carbamoylcholine chloride is used to study responses mediated by nAChR and mAChR, including smooth muscle contraction, gut motility, and neuronal signaling.

IC50 value: 10 to 10,000 nM (Ki)

Target: nAChR, mAChR

Carbamoylcholine is an analog of acetylcholine that activates acetylcholine receptors (AChR). Carbamoylcholine is an agonist of both nicotinic (nAChR) and muscarinic (mAChR) receptors, with reported K_i values ranging from 10 to 10,000 nM for different receptors and different preparations.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!