

Hexamethonium (Bromide)

Catalog No: tcsc2677



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

55-97-0

Formula:

$C_{12}H_{30}Br_2N_2$

Pathway:

Neuronal Signaling;Membrane Transporter/Ion Channel

Target:

nAChR;nAChR

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 30 mg/mL (82.83 mM)

Observed Molecular Weight:

362.19

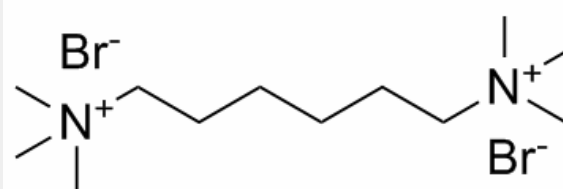
Product Description

Hexamethonium is a non-depolarising ganglionic blocker, a nicotinic nACh (NN) receptor antagonist.

Target: nAChR

Hexamethonium is a non-depolarising ganglionic blocker, a nicotinic nACh receptor antagonist that acts in autonomic ganglia by binding mostly in or on the NN receptor, and not the acetylcholine binding site itself. It does not have any effect on the muscarinic

acetylcholine receptors (mAChR) located on target organs of the parasympathetic nervous system but acts as antagonist at the nicotinic acetylcholine receptors located in sympathetic and parasympathetic ganglia (NN). Hexamethonium bromide is a nicotinic acetylcholine receptor antagonist. Induces apoptosis and inhibits the stimulatory effect of nicotine on endothelial cell DNA synthesis and proliferation. Hexamethonium bromide hydrate is an inhibitor of AChR $\alpha 3$ [1-3].



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