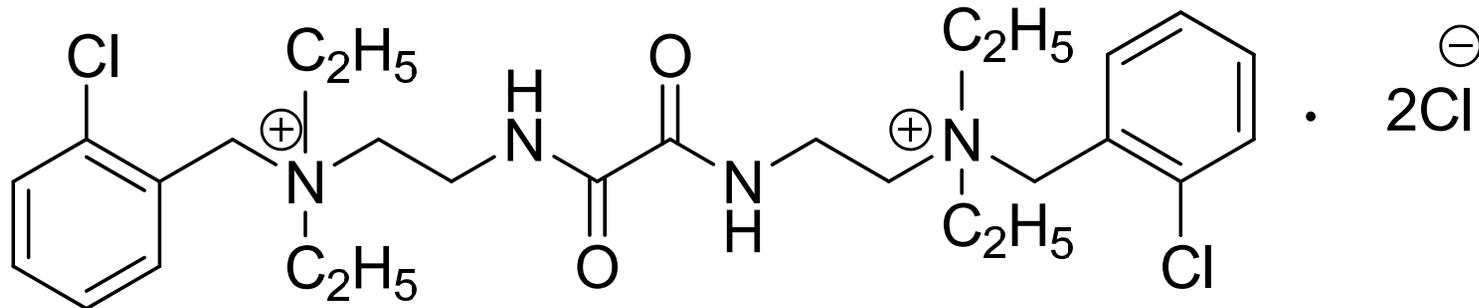


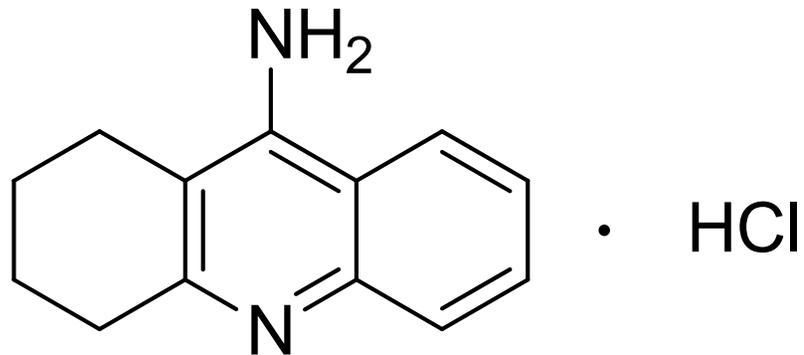
Ambenonium Chloride



MOA-Ambenonium chloride is a rapid indirect-acting cholinergic drugs that reversibly blocks the activity of acetylcholinesterase, thereby prevents acetylcholine hydrolysis and prolonging its activity on nicotinic receptors at the neuromuscular junction.

Uses-Ambenonium is used to treat muscle weakness due to muscle disease (myasthenia gravis).

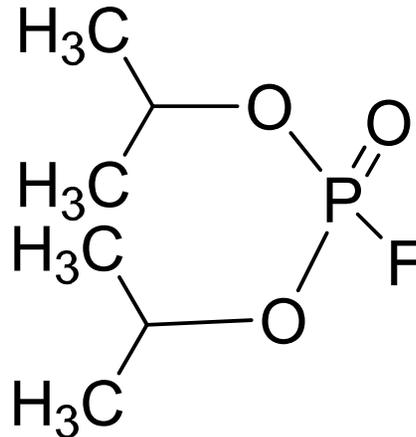
Tacrine Hydrochloride



MOA-Tacrine exerts its therapeutic effect by enhancing cholinergic function. This is accomplished by increasing the concentration of acetylcholine at cholinergic synapses through reversible inhibition of its hydrolysis by acetylcholinesterase.

Uses-Tacrine is used to treat mild to moderate dementia caused by Alzheimer's disease (progressive brain disorder that slowly destroys memory and thinking skills, and, eventually, the ability to carry out the simplest tasks).

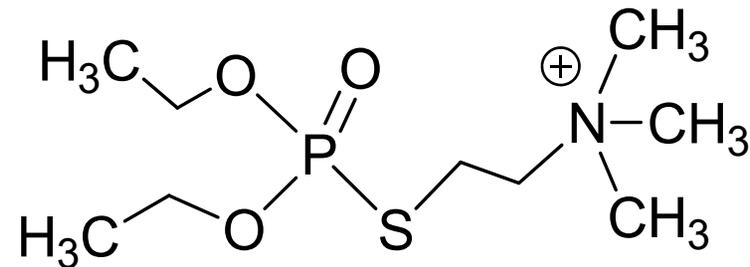
Isoflurophate



MOA-Isoflurophate is an organophosphorus compound that acts as an irreversible cholinesterase inhibitor. It irreversibly blocks the activity of acetylcholinesterase, thereby preventing acetylcholine hydrolysis and prolonging its activity on muscarinic receptor.

Uses-Isoflurophate is used as ocular drops in the treatment of chronic glaucoma.

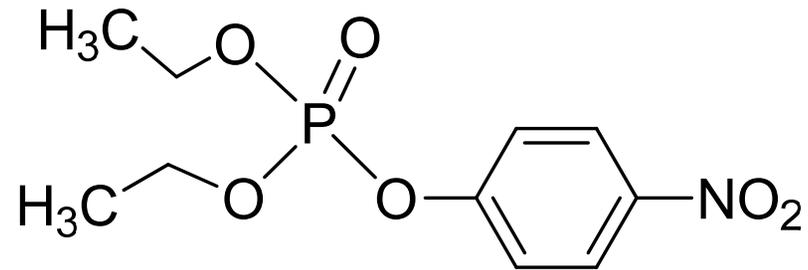
Echothiophate



MOA- Echothiophate is an organophosphorus compound that acts as an irreversible cholinesterase inhibitor. It irreversibly blocks the activity of acetylcholinesterase, thereby preventing acetylcholine hydrolysis and prolonging its activity on muscarinic receptors.

Uses- This medication is used to treat high pressure inside the eye (due to glaucoma).

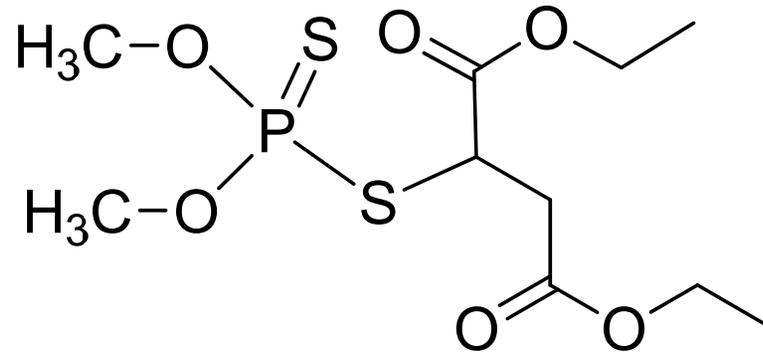
Parathion



MOA-Parathion is a cholinesterase inhibitor. It generally disrupts the nervous system by irreversibly inhibiting acetylcholinesterase. It is absorbed via skin, mucous membranes, and orally. Absorbed parathion is rapidly metabolized to paraoxon, which possess Insecticidal activity.

Uses-Parathion is a broad spectrum, organophosphate pesticide used to control many insects and mites

Malathion



MOA- Similar to parathion

Uses-It used indoors and on pets to control ticks and insects, such as fleas and ants.