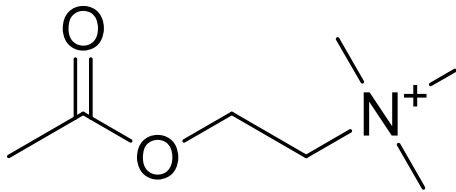


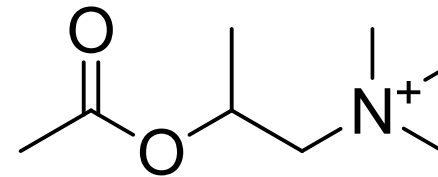
Classification of cholinergic drugs/ Parasympathomimetics

1. Directly acting cholinergic drugs

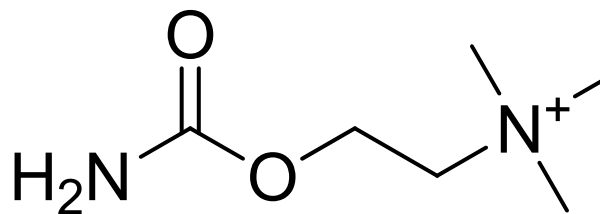
❖ Choline ester derivatives



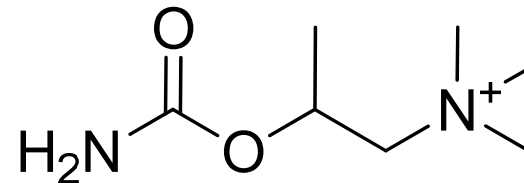
Acetylcholine



Methacholine

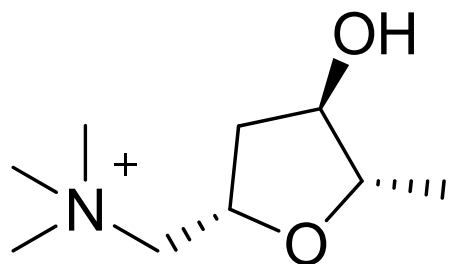


Carbachol

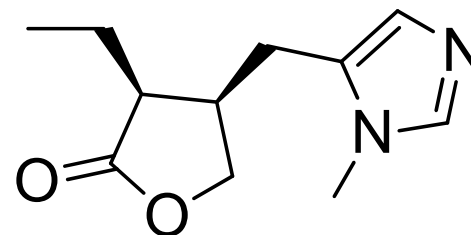


Bethanicol

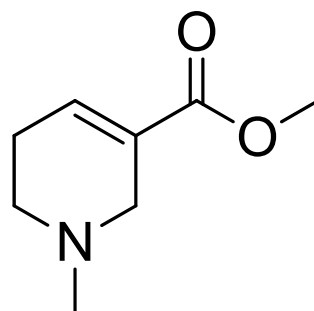
❖ Alkaloids



Muscarine



Pilocarpine



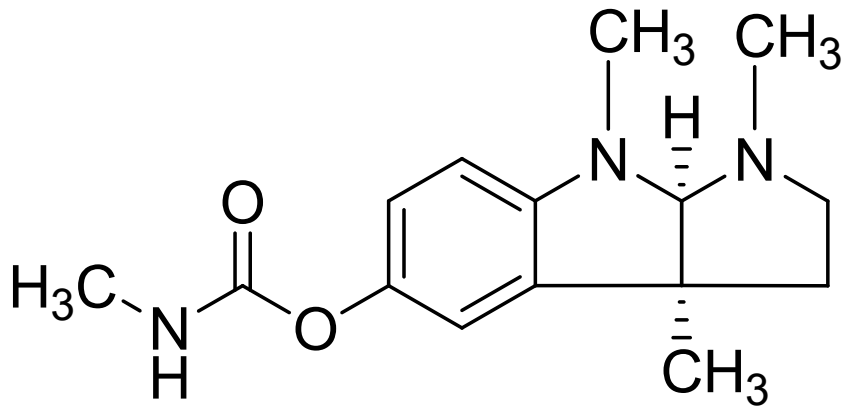
Arecholine



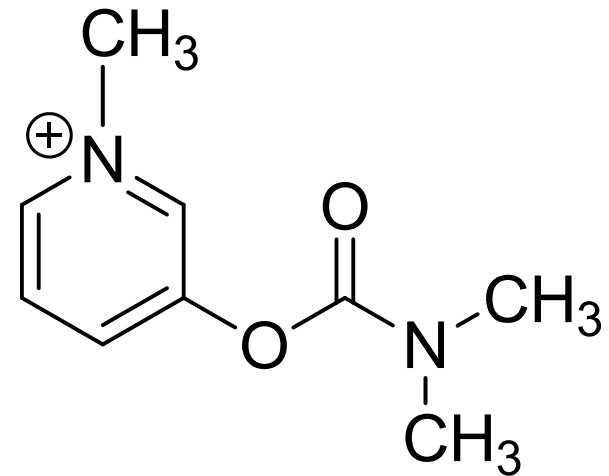
2. Indirectly acting cholinergic agents

a. Reversible Cholinesterase inhibitors

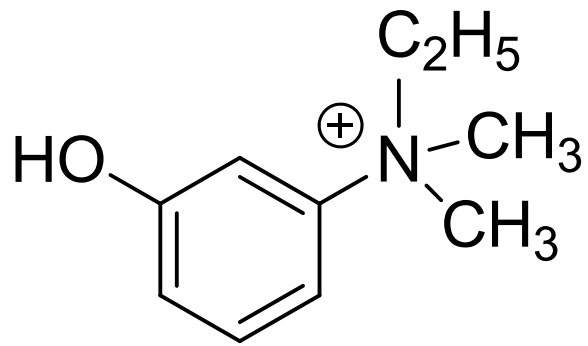
I. Carbamates



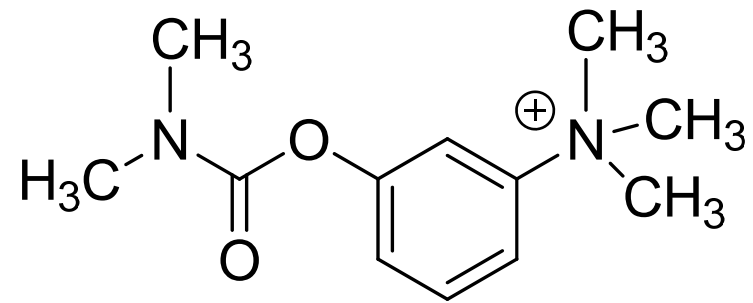
Physostigmine



Pyridostigmine

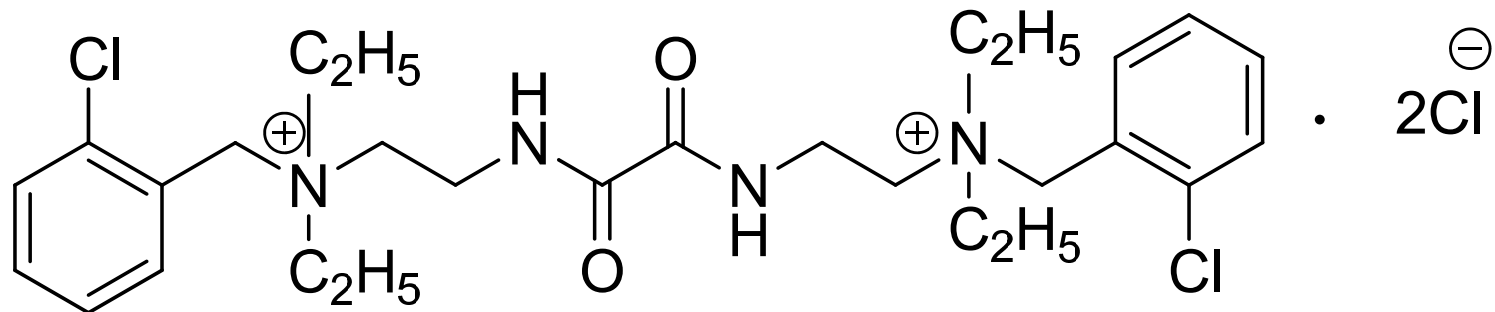


Edrophonium



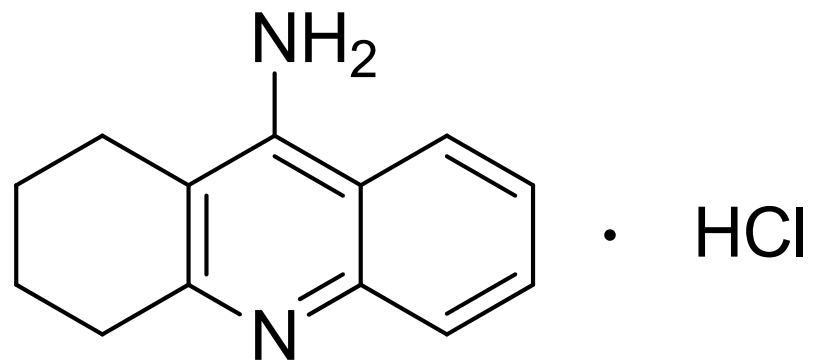
Neostigmine





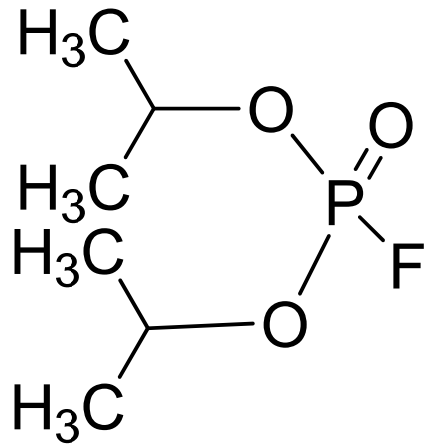
Ambenonium Chloride

2. Miscellaneous

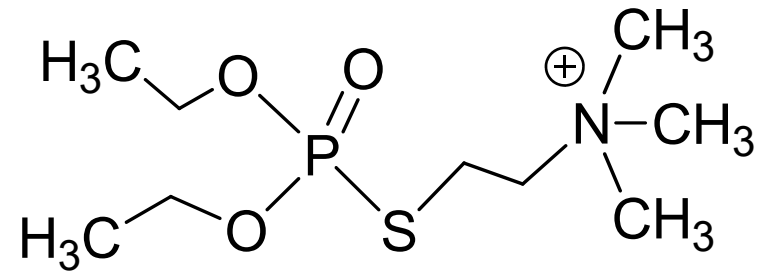


Tacrine Hydrochloride

b. Irreversible Cholinesterase inhibitors

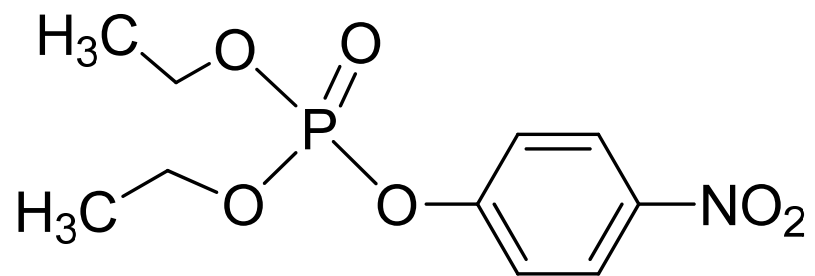


Isoflurophate

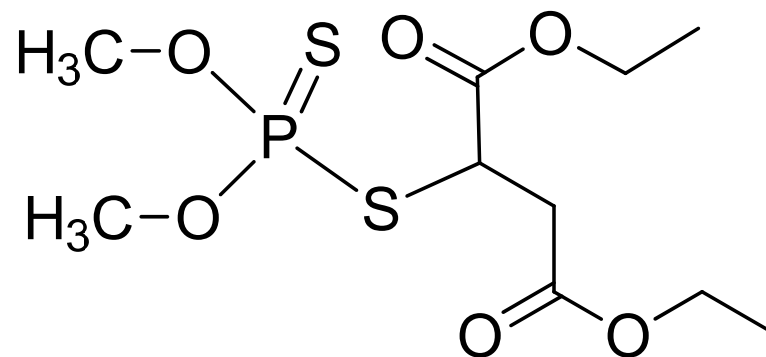


Echothiophate





Parathion



Malathion



SAR (Structure activity relationship) of directly acting cholinergic Drugs

The general structure of directly acting cholinergic drugs is represented below

