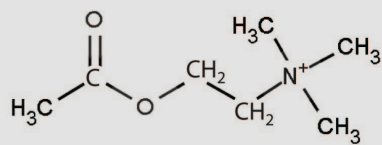


Neurotransmitters and Drugs of the Cholinergic Synapse

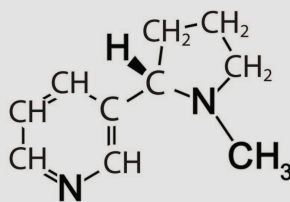
Acetylcholine



Acetylcholine

- Neurotransmitter, a chemical messenger
- Binds to the acetylcholine receptor on the post-synaptic neuron
- Broken down by acetylcholinesterase, found in the synapse

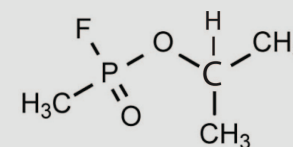
Nicotine



Nicotine

- Binds to and activates the acetylcholine receptor, triggering an influx of sodium ions into the cell

Sarin



Sarin

- Binds competitively inhibits acetylcholinesterase by covalently binding to the active site

