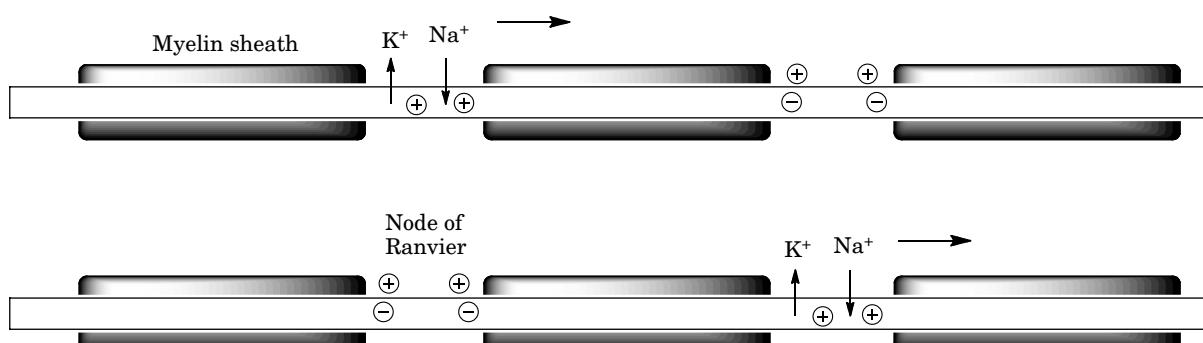
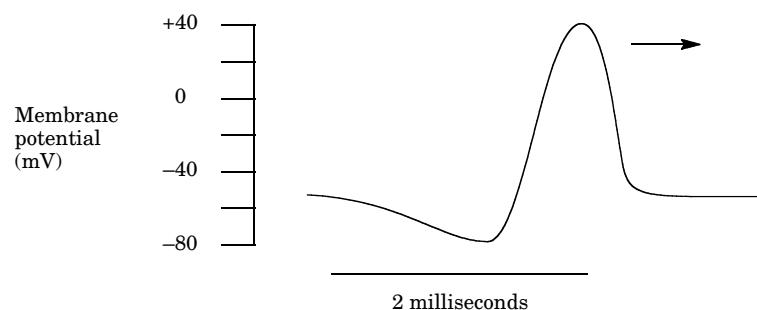
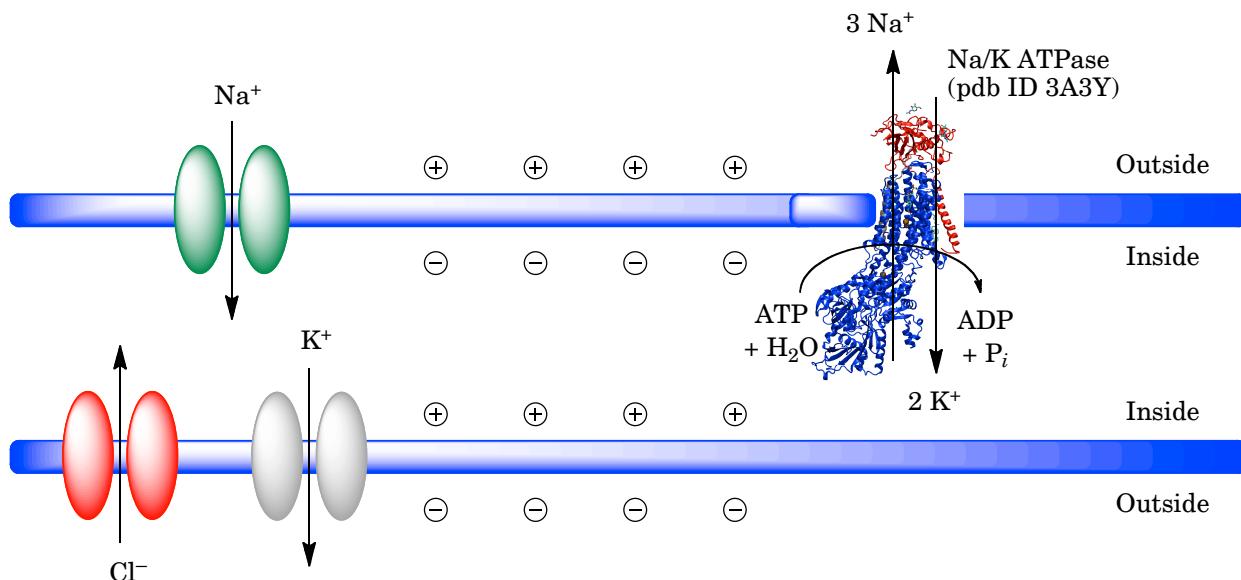
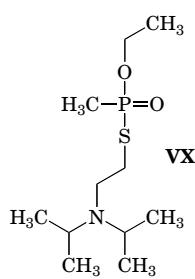
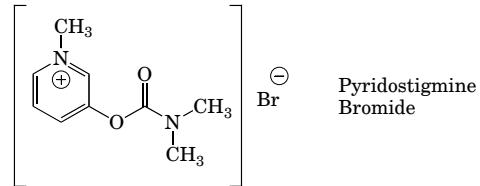
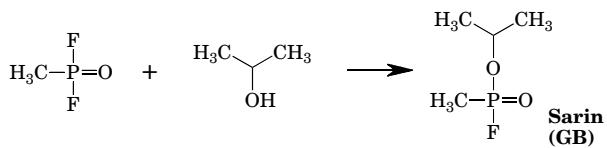
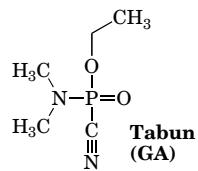
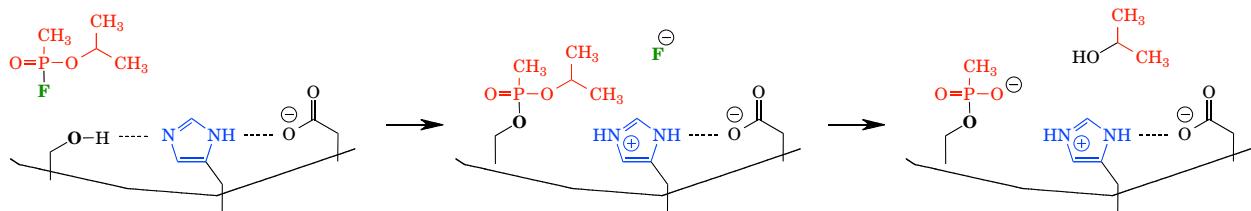
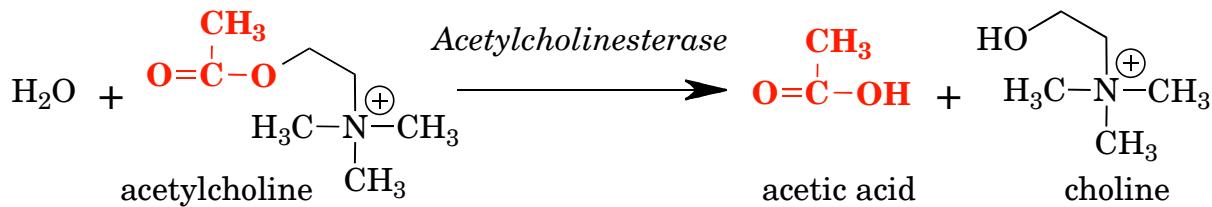
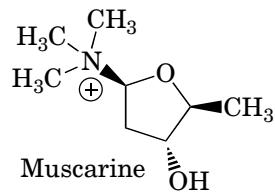
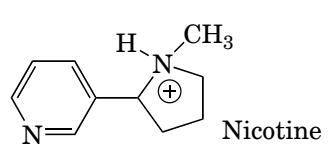
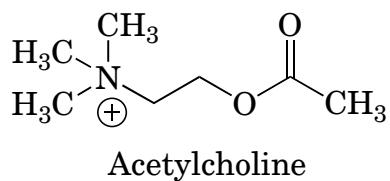
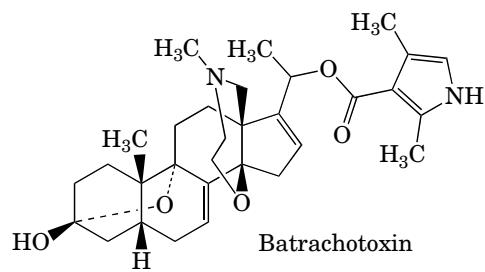
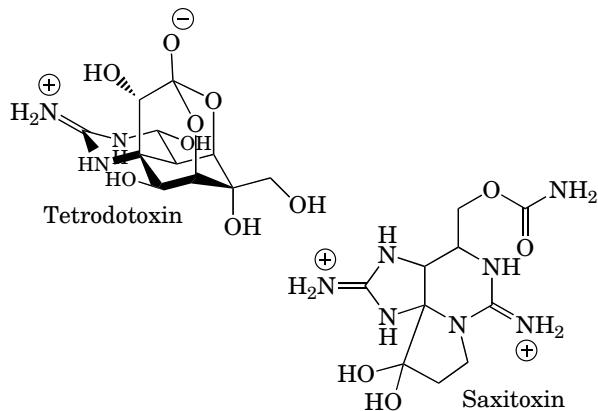
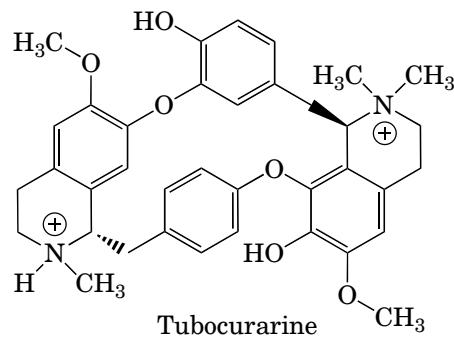
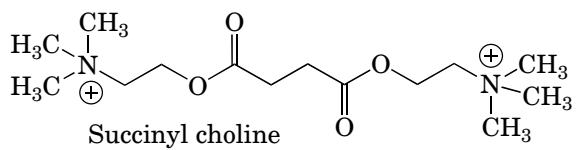
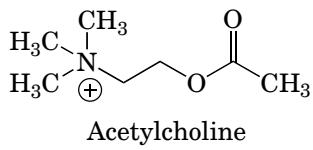


Neurotransmission







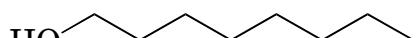
Toxins

Toxin	Estimated LD ₅₀ ($\mu\text{g/kg}$ of body weight)	Exposure method	Source	Action
Botulinum toxin	0.001	Injection or ingestion	<i>Clostridium botulinum</i>	Protease: Inhibition of acetylcholine exocytosis
Botulinum toxin	0.003	Inhalation		
Tetanus toxin	0.002	Injection	<i>Clostridium tetani</i>	Protease: Inhibition of neurotransmitter exocytosis
Diphtheria toxin	0.1		<i>Corynebacterium diphtheriae</i>	ADP-ribosylation of eEF-2
Ricin	3.	Inhalation	Castor beans (<i>Ricinus communis</i>)	23S rRNA inactivation
Ricin	20,000.	Ingestion		
Batrachotoxin	2.	Ingestion	<i>Phylllobates aurataenia</i> (arrow poison frog)	Sodium channel activator
Tetrodotoxin	8.	Ingestion	Tetraodontidae species (e.g., puffer fish)	Sodium channel blocker
VX	15.	Inhalation		Acetyl cholinesterase inhibition
Sarin	100.	Inhalation		Acetyl cholinesterase inhibition
NaCN	10,000.	Ingestion		Cytochrome oxidase inhibition

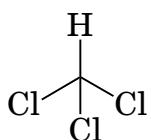
Anesthetics



Ethanol



Octanol



Chloroform



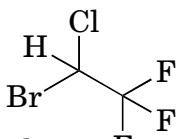
Diethylether



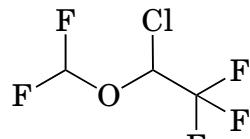
Nitrous
oxide



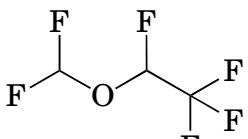
Cyclopropane



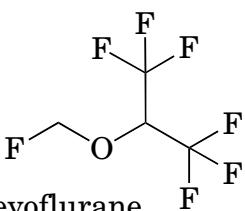
Halothane



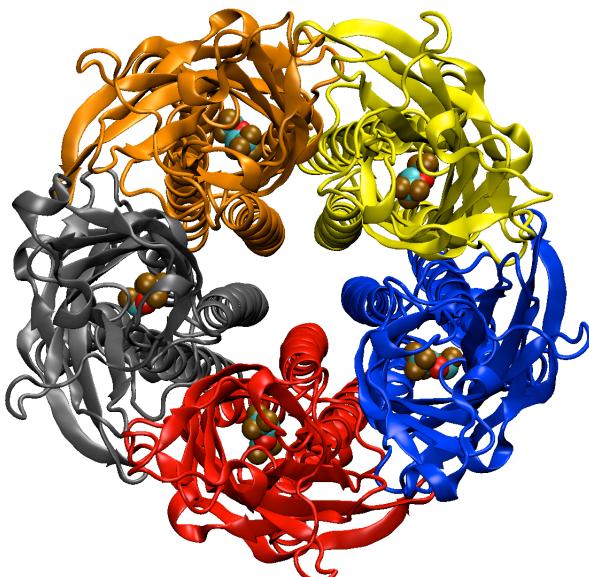
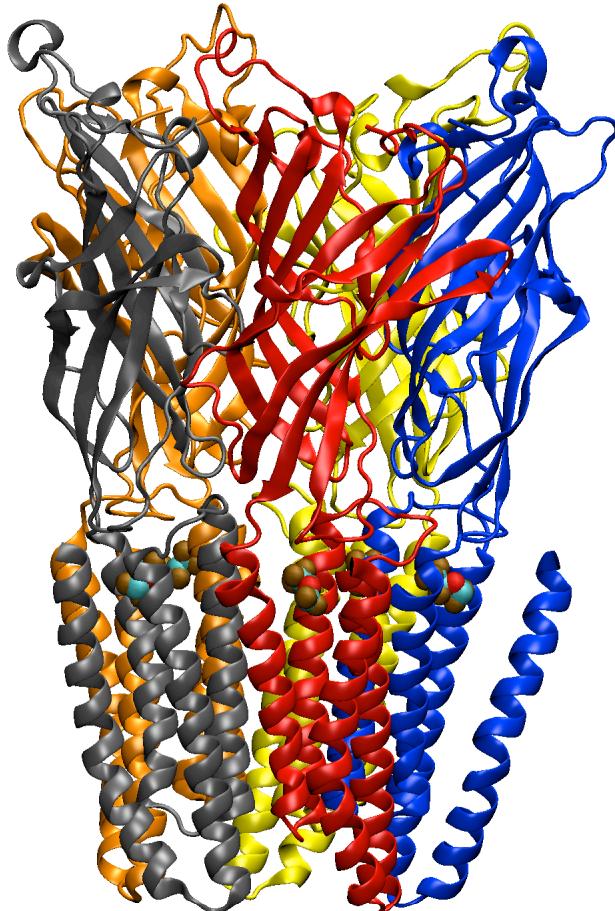
Isoflurane



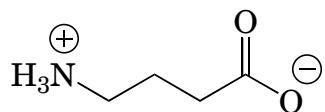
Desflurane



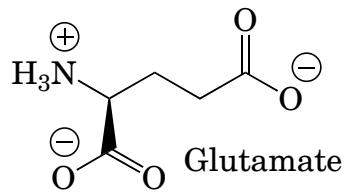
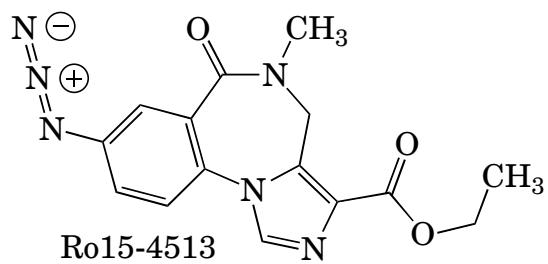
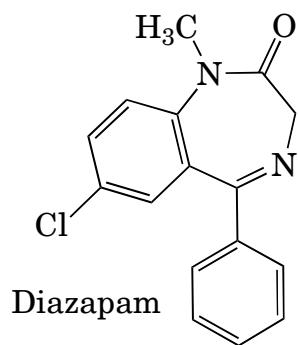
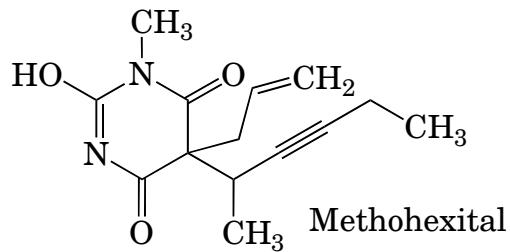
Sevoflurane



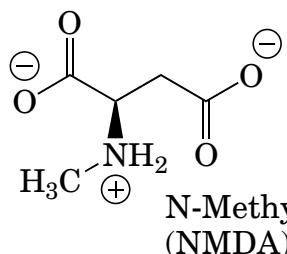
Ligand-gated ion channel GLIC from *Gloeobacter violaceus* bound to desflurane (pdb ID 3P4W)



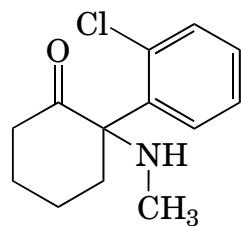
γ -Amino butyric acid (GABA)



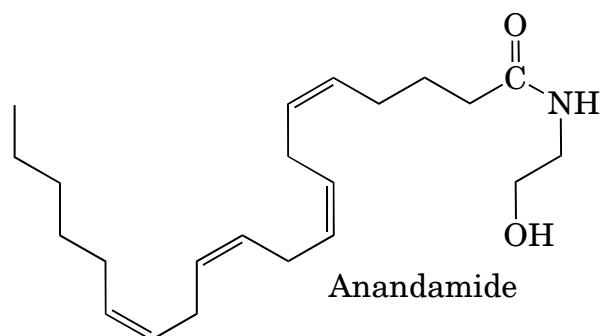
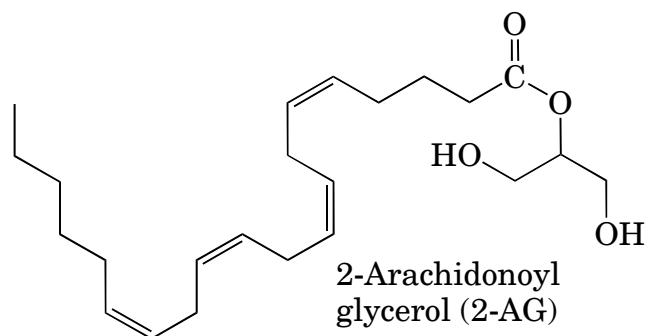
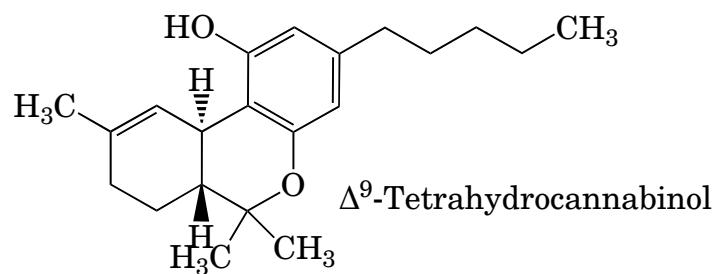
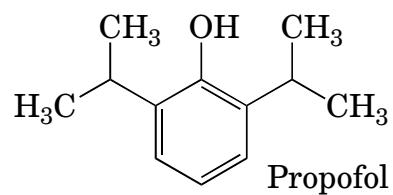
Glutamate



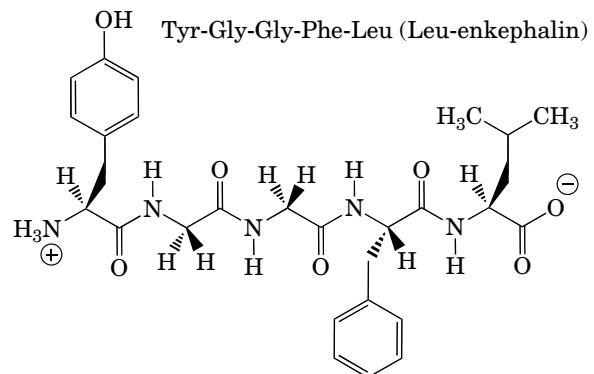
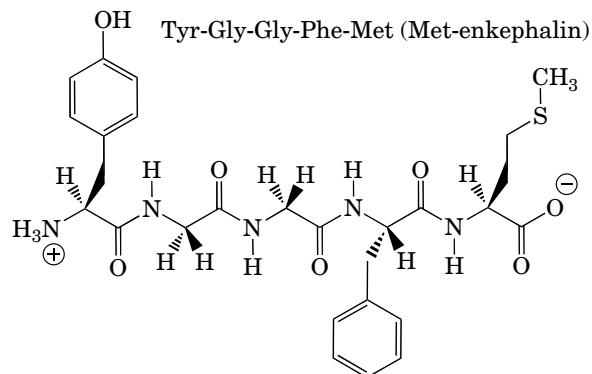
N-Methyl-D-aspartic acid (NMDA)



Ketamine



Opioids



β -endorphin: YGGFMTSEKSQTPLVTLFKNAIIKNAYKKGE

