

Crosses BBB

Physostigmine

[Fly-stick-man](#)

Physostigmine is more hydrophobic than other indirect cholinomimetics, and crosses the blood brain barrier. It is used to treat atropine and anticholinergic drug overdoses.

Atropine Overdose

[@-trooper with Overdose-pill-bottle](#)

Physostigmine is used to counter the CNS effects of atropine overdose.

Glaucoma

[Glock-eye](#)

Physostigmine is helpful in inducing miosis, and leading to decreased intraocular pressure in glaucoma.

Donepezil

[Donut-puzzle](#)

Donepezil is an acetylcholinesterase inhibitor which is used for treating Alzheimer's disease.

Alzheimer's

[Old-timer](#)

In Alzheimer's disease, patients have relatively decreased acetylcholine levels. Thus, centrally acting acetylcholinesterase inhibitors help increase the available amount of relative acetylcholine.