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Edrophonium Chloride

National Cancer Institute

Source

National Cancer Institute. *Edrophonium Chloride*. NCI Thesaurus. Code C47507.

The chloride salt form of edrophonium, a short and rapid-acting cholinesterase inhibitor with parasympathomimetic activity. Echothiophate chloride potentiates the action of endogenous acetylcholine by inhibiting acetylcholinesterase that hydrolyzes acetylcholine. When applied topically to the eye, this agent prolongs stimulation of the parasympathetic receptors at the neuromuscular junctions of the longitudinal muscle of the ciliary body. Contraction of longitudinal muscle pulls on the scleral spur, and opens the trabecular meshwork, thereby increases aqueous humor outflow from the eye and reduces intraocular pressure.