BIOLOGICAL ACTIVITY:

Dequalinium Chloride is a selective blocker of apamin-sensitive K+ channels.

Target: Potassium Channel

Dequalinium Chloride is a selective blocker of apamin-sensitive K+ channels. Treatment with Dequalinium chloride did not influence conditions caused by haemolytic streptococci -- verified by bacteriological examinations of pharyngeal smears -- despite of its efficiency in vitro [1]. Dequalinium chloride (DECA), a cationic, lipophilic mitochondrial poison, selectively targets the mitochondrial membrane of certain epithelial carcinoma cells, in which it inhibits cellular energy production. Higher DECA doses under either regimen induced severe toxic effects and mortality [2].

References: