

Dequalinium (Chloride)

Catalog No: tcsc2676



Available Sizes

Size: 50mg



Specifications

CAS No:

522-51-0

Formula:

$C_{30}H_{40}Cl_2N_4$

Pathway:

Membrane Transporter/Ion Channel

Target:

Potassium Channel

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

527.57

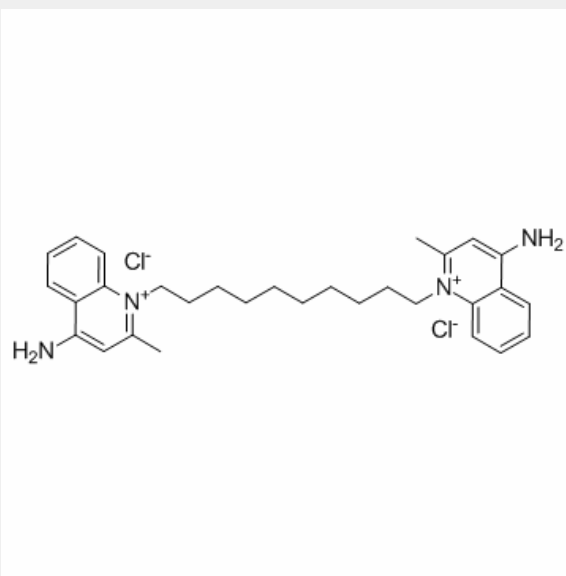
Product Description

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 -- inspite 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].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!