Target Name	K+ channel
Target TTD ID	TTDS00431

Target Species	Human
Chemical Type	Dequalinium analogues
Mode of Action	Blocker
QSAR Model 1	pEMR = -1.16 (± 0.38) σ_P - 1.05 (± 0.17) n = 7, r = -0.80, s = 0.317
QSAR Model 2	pEMR = 1.43 (± 1.27) σ_I - 0.97 (± 0.30) n = 7, r = 0.45, s = 0.477
QSAR Model 3	pEMR = 1.43 (± 1.27) σ_I - 0.97 (± 0.30) n = 7, r = 0.45, s = 0.477
Molecular Descriptor	Access the following web-servers to compute molecular descriptors: **MoDel** and **e-dragon** σ_P: Hammett constant for "para" substitution; *n* is the number of compounds; *r* is the correlation coefficient; *s* is the standard deviation. σ_P: a descriptor of the overall electronic effect of R[4]; This is separated in to its inductive and resonance components as represented by σ_I^{16} and σ_R^{16}.
Reference	Synthesis and QSAR of dequalinium analogues as K+ channel blockers. Investigations on the role of the 4-amino group. *Bioorganic & Medicinal Chemistry Letters*, Vol. 5, No. 6, pp. 559-562. 1995