



hERG Channel Facility



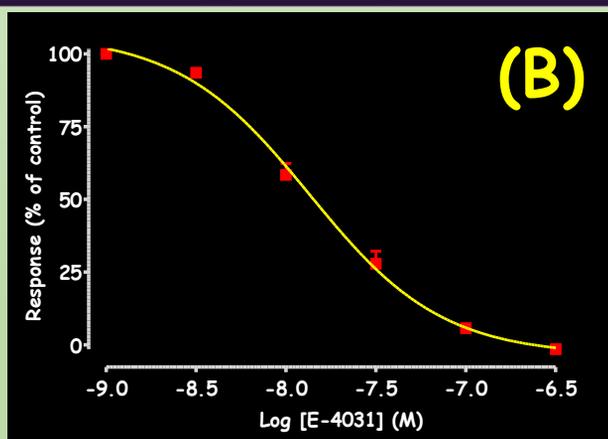
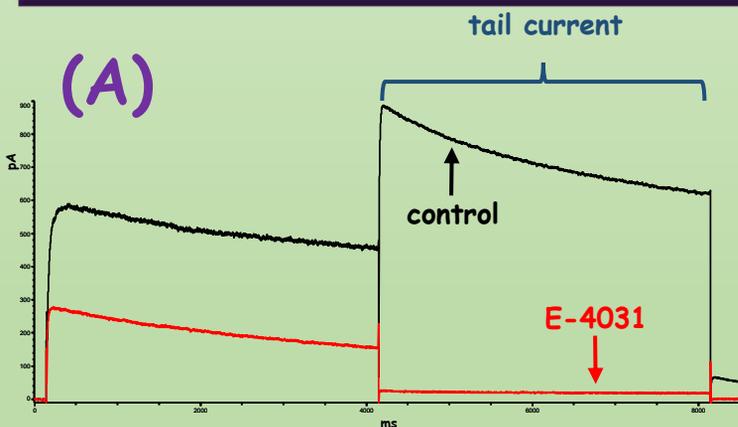
Specifications		
Channel	Human $K_{v11.1}$ channel (hERG)	The channel expressed in the heart is a safety target in cardiac risk assessment: its inhibition has been linked to a potentially lethal cardiac arrhythmia (<i>torsade de pointes</i>)
Host cell	HEK293	
Reference compound	E-4031 (Abcam) 500 nM	

Price list (no GLP)

Customers	1 compound 1 concentration 3 replicates	1 compound 4 concentrations 3 replicates	Solvent
University of Siena	€ 200	€ 400	€ 50
Others	€ 250	€ 500	€ 60

Please note that, for each of the additional compounds provided, a cost of € 160/320 (University of Siena) or € 200/400 (others) will be charged.

Representative data



(A) Representative hERG channel currents recorded in HEK-hERG cells under control conditions and after the addition of the specific blocker E-4031 (500 nM). (B) Concentration-dependent inhibition by E-4031 of hERG tail currents. Mean IC_{50} value was 13.6 nM ($n=6$).

A report will be provided on completion of the experiments.

Turnaround time: 3 weeks from receipt of the compound.

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