

**Table SI. Kinetic analysis of Na<sup>+</sup>/K<sup>+</sup>-ATPase activity from the porcine cerebral cortex in the absence or presence of cardenolide ouabain at different concentrations.**

Compound	Concentration ( $\mu\text{M}$ )	$K_m$ (mM)	$V_{max}$ ( $\mu\text{molPi}/\text{mg}/\text{min}$ )	$K_i$ ( $\mu\text{M}$ )	Type of inhibition
Ouabain	0.0	0.88 $\pm$ 0.09	3.8 $\pm$ 0.6	0.16 $\pm$ 0.04	Uncompetitive
	0.1	0.47 $\pm$ 0.06	2.11 $\pm$ 0.14		
	1.0	0.12 $\pm$ 0.01	0.66 $\pm$ 0.04		

All values were obtained from triplicate independent assays. The data are expressed as mean  $\pm$  standard deviation. The values of  $K_m$  and  $V_{max}$  were calculated by data fitting Michaelis-Menten non-linear regression.  $K_m$  is expressed in mM.  $V_{max}$  is expressed as  $\mu\text{mol}$  of Pi released/mg of protein/min.