



Article

Telocinobufagin and Marinobufagin Produce Different Effects in LLC-PK1 Cells: A Case of Functional Selectivity of Bufadienolides

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Supplementary Information

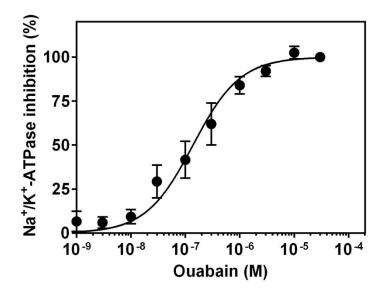


Figure 1S. Inhibition curve of pig kidney Na^+/K^+ -ATPase activity by ouabain (OUA). Preparation of Na^+/K^+ -ATPase from pig kidney was incubated with increasing concentrations of ouabain for 1 h. Each point represents the mean \pm SEM of 3 experiments performed in triplicate.

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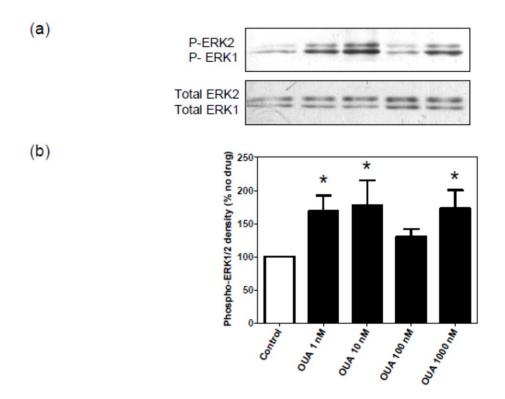


Figure 2S. ERK1/2 activation by different concentrations of ouabain (OUA). Serum-starved LLC-PK1 cells were treated with 1, 10, 100 or 1000 nM OUA for 15 min. Representative Western blots of phospho- and total ERK1/2 for OUA (a) and relative optical density quantification (b). Data are the mean \pm SEM of at least 3 independent experiments. * p < 0.05 vs control.

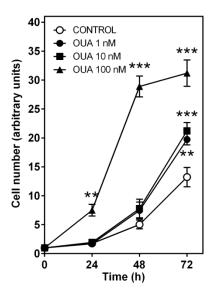


Figure 3S. Cell proliferation of LLC-PK1 cells treated with ouabain (OUA). Serum-starved LLC-PK1 cells were treated with 1, 10 and 100 nM OUA in 2.5% FBS for 24, 48 and 72 h, and then Trypan blue-free viable cells were counted in Neubauer chamber. Each point represents the mean \pm SEM of 3 independent experiments performed in duplicate. ** p < 0.01; *** p < 0.005 vs control.

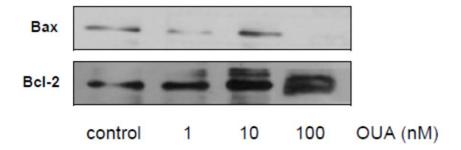


Figure 4S. Bax and Bcl-2 expression in LLC-PK1 cells treated with ouabain (OUA). Serum-starved LLC-PK1 cells were treated with 1, 10 and 100 nM OUA in 2.5% FBS for 72 h. Representative Western blots of the pro-apoptotic Bax and anti-apoptotic Bcl-2 for OUA. Similar results were observed in 2 independent experiments.



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