

Fig. S13 Noise analysis for ztz240 activation on KCNQ2. a Current activated by bath solution (I_{max}_{Bath}) for control. The maximum open probability (P_{o_max}) is estimated to be 26.7 ± 5% (n = 5). b Current activated by ztz240 at 10 µM (saturating concentration) (I_{max}_{ztz240}) . The P_{o_max} is estimated to be 55.8± 12.1% (n = 5). c Histogram indicates that ztz240 had no effect on unitary conductances, calculated from the slope of (a) and (b). d Histogram shows an increased P_{o_max} activated by ztz240. $P_{o_max}=I_{max}/I_{estimate}$. Error bars represent mean ± SEM (n=5).