



Supplementary Fig. 1. Current-voltage (I-V) relationship of mosapride on 5-hydroxytryptamine (5-HT)₃ receptor current inhibition. (A) Representative traces of 5-HT₃ receptor currents induced by 3 μM 5-HT alone at holding potentials of -50 to +30 mV (*left*) and 5-HT₃ receptor currents induced by the co-application of 3 μM 5-HT with 10 μM mosapride at the same holding potentials (*right*). The open horizontal bars indicate the drug application period. (B) I-V plots of averaged normalized peak amplitudes induced by 5-HT with (●) or without (○) mosapride. The reversal potentials were 7.05 ± 0.37 mV ($n = 11$) for 5-HT alone, and 7.75 ± 0.53 mV ($n = 11$) for 5-HT with mosapride. The reversal potential was not significantly changed by co-application of mosapride ($p = 0.2964$, unpaired t-test). (C) Fractional block of mosapride (ratio of peak amplitude of 5-HT with mosapride / peak amplitude of 5-HT alone) as a function of the holding potentials (V_{Holding}). The data are expressed as means \pm standard error of the mean.