

Supplementary Fig. 2. The effects of mitochondrial K⁺ channel inhibitors on nobiletin-induced $\Delta \Psi_m$ changes in intact cortical neurons. The effects of mitochondrial K⁺ channel inhibitors on nobiletin-induced $\Delta \psi_m$ changes were measured in intact cortical neurons using real-time imaging-based fluorometry of $\Delta \psi_m$ (See 'METHODS' in main manuscript for the detailed description). Nobiletin (100 μ M) was superfused over cortical neurons on a cover slip in a recording chamber with iberiotoxin (10 nM) as a mitoBK_{Ca} channel antagonist and 5-HD (500 μ M) as a mitoK_{ATP} channel antagonist. TMRE fluorescence values from individual cells were normalized to values before drug treatment. TMRE fluorescence values at the end of the measurement were compared among different groups. Values are the mean±S.E.M. *p<0.05 as compared with control group and [#]p<0.05 as compared with nobiletin alone-treated group.