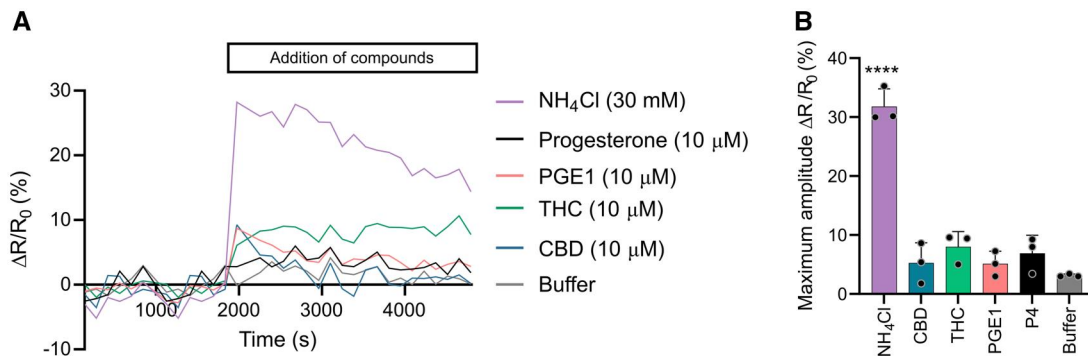




Supplementary Figure S3. Intracellular pH was not affected by delta-9-tetrahydrocannabinol (THC) and cannabidiol (CBD). (A) Representative intracellular pH (pH_i) measurements in human sperm cells evoked by vehicle control (ethanol 0.5%), positive control NH_4Cl (10 mM), THC (10 μM), CBD (10 μM), prostaglandin E1 (PGE1) (10 μM), or progesterone (P4) (10 μM). (B) Mean ($\pm$ SD) of maximum amplitude of measurements shown in (A), n = 3. pH_i was monitored using a SpectraMax Paradigm microplate reader. Sperm were loaded with the fluorescent pH indicator BCECFAM (2.5 μM). $\Delta R/R_0$ (%) indicates the percentage change in fluorescence (ΔR) with respect to the mean basal fluorescence (R_0) prior to application and subsequent continuous presence of NH_4Cl , THC, CBD, PGE1, and P4. **** $P < 0.001$ (n = 3). Scatter dot plot represents mean values $\pm$ SD.