Supplementary figure 1 Dose-response curve showing the effect of increasing calcitriol concentrations on human primary keratinocytes. The applied MTT assay is a recognized colorimetric method for estimating the number of viable (proliferating), metabolically active cells under certain experimental conditions. To this end, primary keratinocytes were seeded at a density of 2x10^4 cells per well (performed in triplicates each) in 96-well microtiter plates, and after a 24-h recovery period treated with increasing doses of calcitriol (vs ethanol vehicle) in relation to glucose as negative control for 72 h. The EC50 value calculated by GraphPad Prism non-linear regression represents a substance’s half maximal effective concentration that induces a 50% response situated exactly in-between the baseline and the maximum. This EC50 value is commonly applied to measure both a drug’s potency and toxicity.