Fisetin, a 3, 7, 3′, 4′-tetrahydroxyflavone inhibits PI3K/Akt/mTOR and MAPK Pathways and Ameliorates Psoriasis Pathology in 2D and 3D Organotypic Human Inflammatory Skin Models

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Supplementary Materials:

Figure S1: Fisetin significantly and dose-dependently suppressed the IL-22 induced proliferation of 2D culture NHEKs by MTT assay, compared with precancerous (HaCaT) and cancer (A431) cell lines (**p<0.05 to ***p<0.001).
**Figure S2:** Representative photomicrographs of immunofluorescent staining showing the protein expression levels of differentiation marker (TGase-1) in control (RHSE) and FTRHSP conditions versus (fisetin or vit-D3)-treated FTRHSP tissues. Data green (TGase-1); blue (DAPI) and mixed staining is merged representation. Results are representative of three independent experiments each performed in quadruplicate and comparing control RHSE vs treated FTRHSP. TGase-1 = transglutaminase-1. Scale Bar = 20 µm.