



Fig 1 ESI. a) Representative images of DCFH-DA assay in CaCo-2 cells treated with natural and synthetic AVNs before H₂O₂ treatment. CTRL, untreated cells; H₂O₂, cells treated with 1 mM H₂O₂ for 1h; n-MIX + H₂O₂, cells treated with 110 μM n-MIX for 24h and then with 1 mM H₂O₂ for 1h; s-2c + H₂O₂, cells treated with 110 μM s-2c for 24h and then with 1 mM H₂O₂ for 1h; AVN s-2f + H₂O₂, cells treated with 110 μM s-2f for 24h and then with 1 mM H₂O₂ for 1h; s-2p + H₂O₂, cells treated with 110 μM s-2p for 24h and then with 1 mM H₂O₂ for 1h. **b)** Three fields per sample were analyzed and each time at least 100 cells were counted; two independent experiments were performed (n = 6) and results were expressed as % DCF fluorescent positive cells versus control; ***p < 0.001.