



**Fig. 16. Effect of 5-LOX inhibitors, caffeic acid and zileuton, on lipid synthesis in SZ95 sebocytes.** Nile-red staining was applied to cells after 24 hours treatment with 100  $\mu$ M AA and 0.1  $\mu$ M CaI. Various concentrations of Caf and Zil were tested additionally. Accumulation of non-polar (Fig. 16a) and polar lipids (Fig.16c) is shown. The effect of these molecules on cell proliferation after 24 hours is shown in figure 16b. Values represent a percentage of AA/CaI treated cells. Statistical significance refers to AA/CaI treated cells. Untreated cells are termed as control. Experiment was repeated twice.