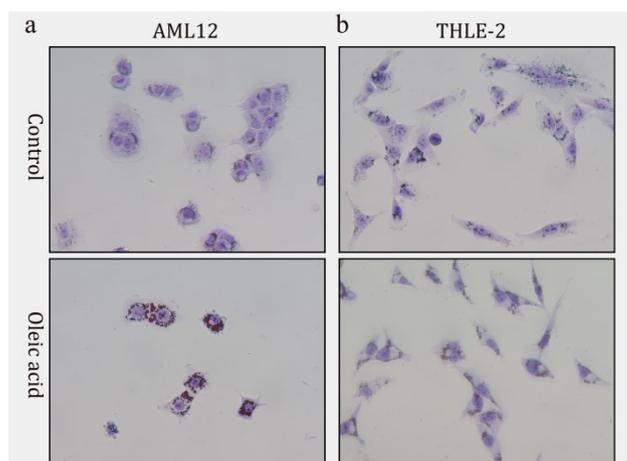
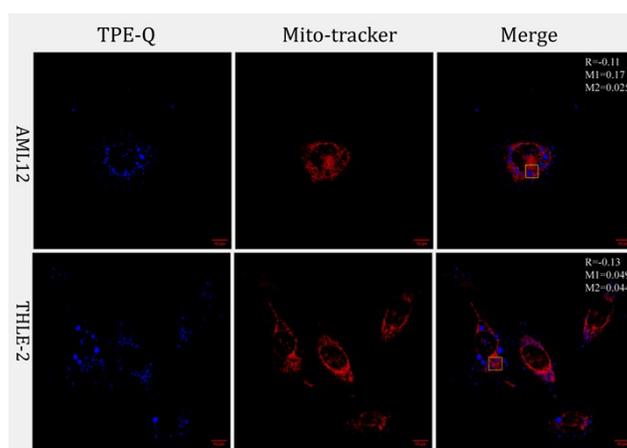


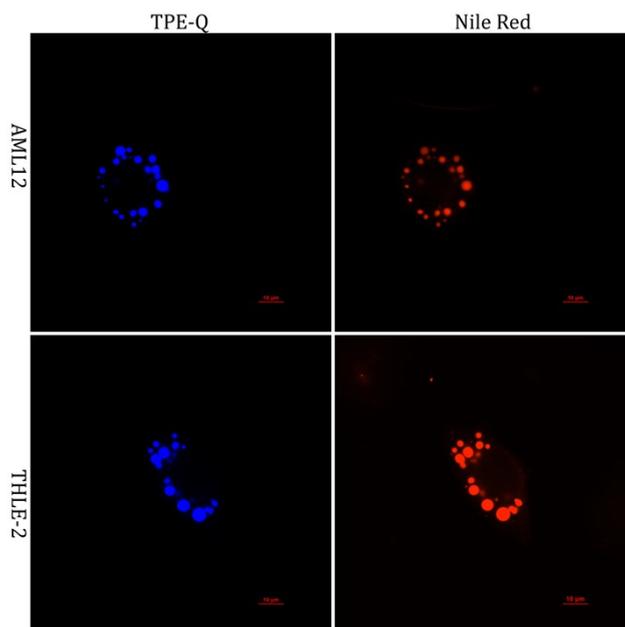
Supplementary Figures



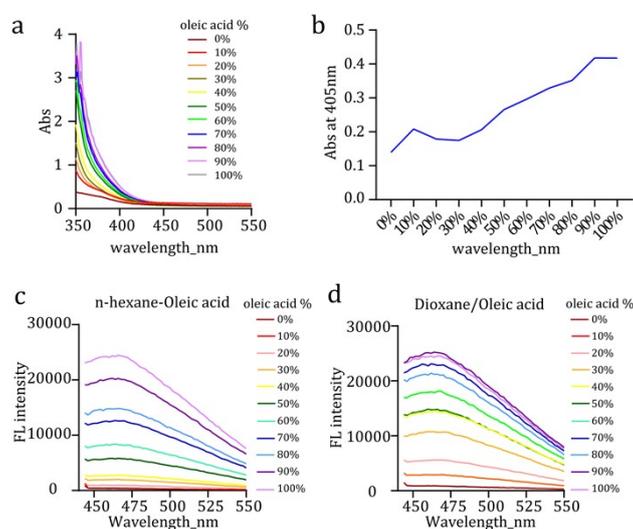
FigureS1. Oil red O staining of hepatic cells after 250 μ M oleic acid incubation for 24 hours. Oleic acid was used to induce LDs formation in AML12(a) and THLE-2(b) cells for imaging.



FigureS2. Colocalization analysis of TPE-Q and mitochondria tracker in cells. R: Pearson's correlation coefficient; M1/M2: Manders' overlap coefficients.



FigureS3. Images of fixed AML12 and THLE-2 cells after incubation of TPE-Q (5 μ M) and Nile Red (3 μ M) for 1 hour. Conditions of illumination, recording and processing were identical.



FigureS4. Spectroscopic characterization of TPE-Q in n-hexane-oleic acid and dioxane-oleic acid mixtures.

(a) Absorption spectra of TPE-Q (10 μ M) in n-hexane-oleic acid mixtures with varying oleic acid fractions (0–100%). (b) Absorbance of TPE-Q at 405 nm as a function of oleic acid fraction in n-hexane-oleic acid mixtures. (c) Fluorescence emission spectra (λ_{ex} = 405 nm) of TPE-Q in n-hexane-oleic acid mixtures with increasing oleic acid content. (d) Fluorescence emission spectra (λ_{ex} = 405 nm) of

TPE-Q in dioxane-oleic acid mixtures with increasing oleic acid content. All spectra were recorded at room temperature.