

Quinoline derivatives as Fluorescent Probes for Zinc Determination in Living Cells

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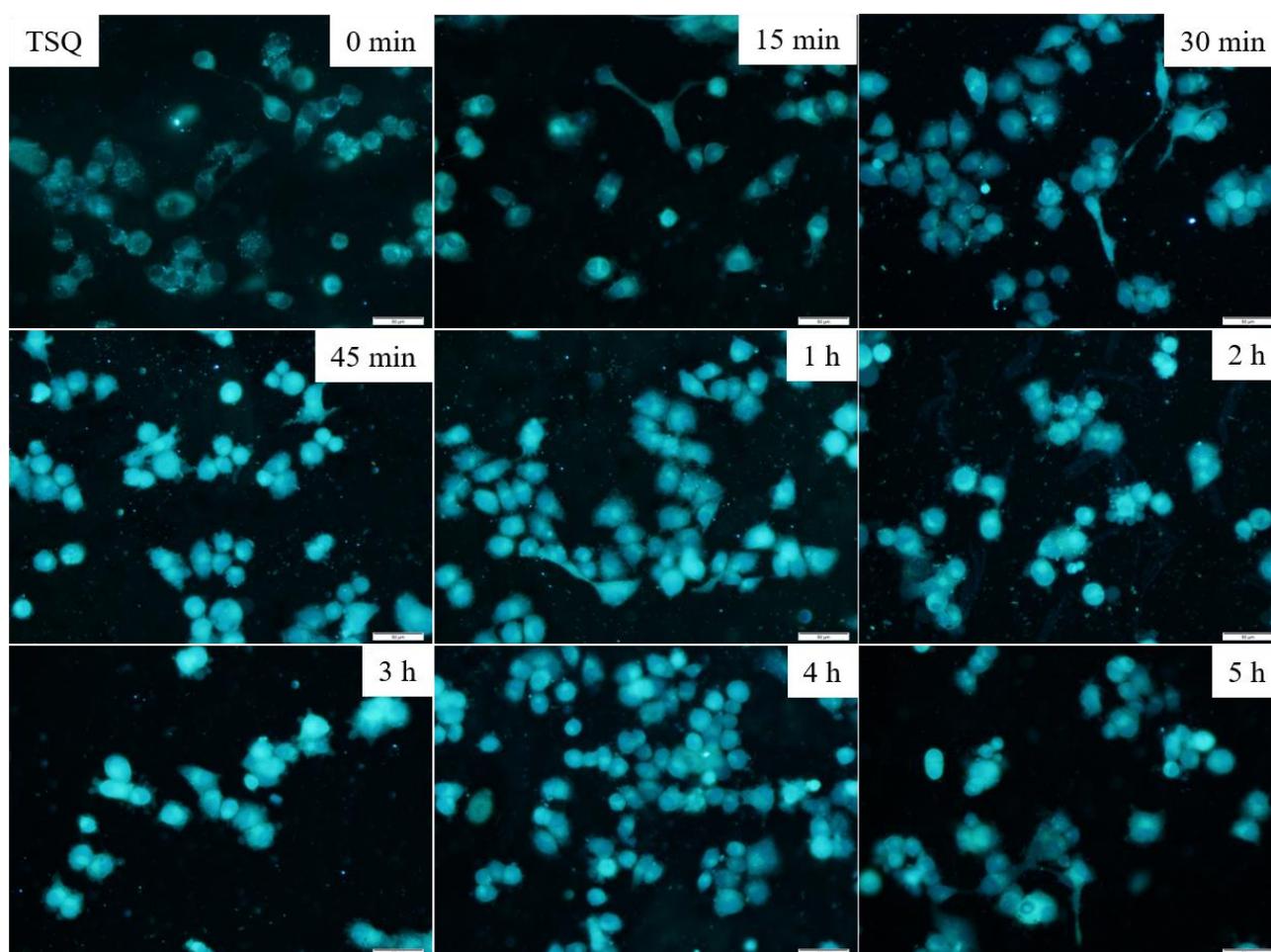


Fig. S1. Fluorescence of mouth epidermal carcinoma cell line KB during incubation with DPAA/ZnO NPs for 5 h. DPAA/ZnO NPs loading into cells was detected every 15-min during the first hour of incubation, then changes in cell fluorescence were registered every hour up to 5 h. Staining with 30 μM TSQ for 30 min. The scale bar is 50 μm.

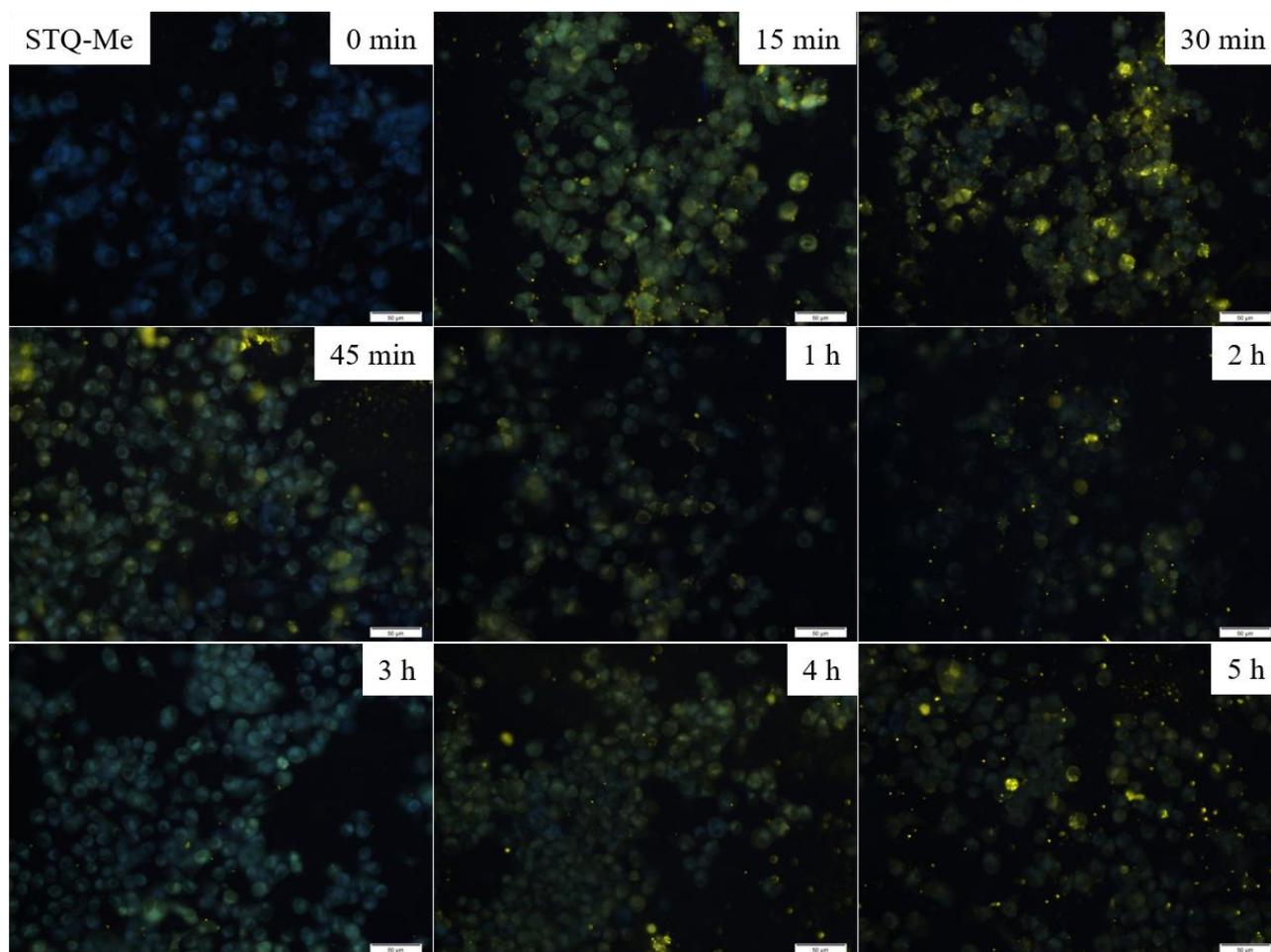


Fig. S2. Fluorescence of mouth epidermal carcinoma cell line KB during incubation with DPAA/ZnO NPs for 5 h. DPAA/ZnO NPs loading into cells was detected every 15-min during the first hour of incubation, then changes in cell fluorescence were registered every hour up to 5 h. Staining with 30 µM STQ-Me for 30 min. The scale bar is 50 µm.

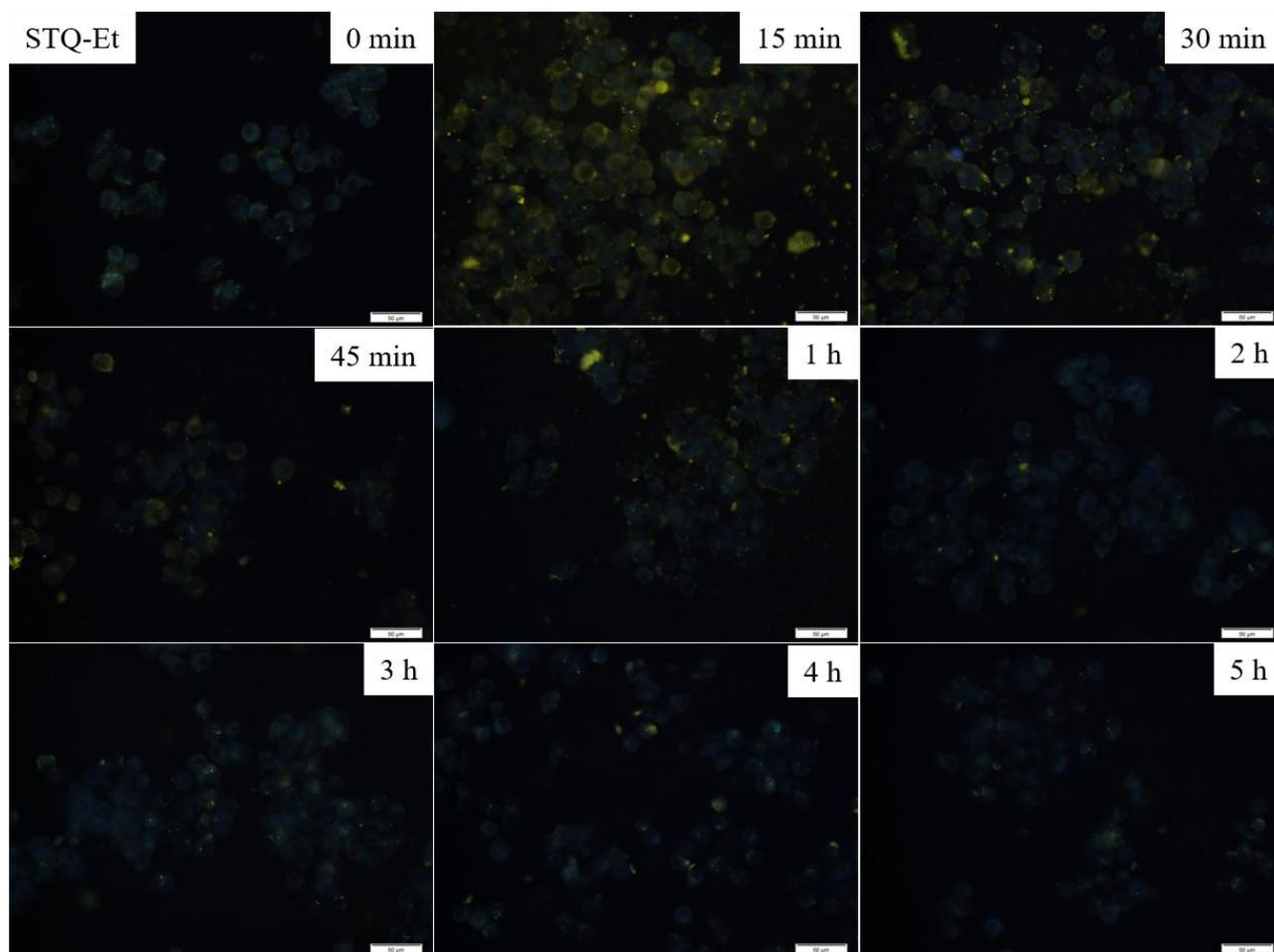


Fig. S3. Fluorescence of mouth epidermal carcinoma cell line KB during incubation with DPAA/ZnO NPs for 5 h. DPAA/ZnO NPs loading into cells was detected every 15-min during the first hour of incubation, then changes in cell fluorescence were registered every hour up to 5 h. Staining with 30 μ M STQ-Et for 30 min. The scale bar is 50 μ m.

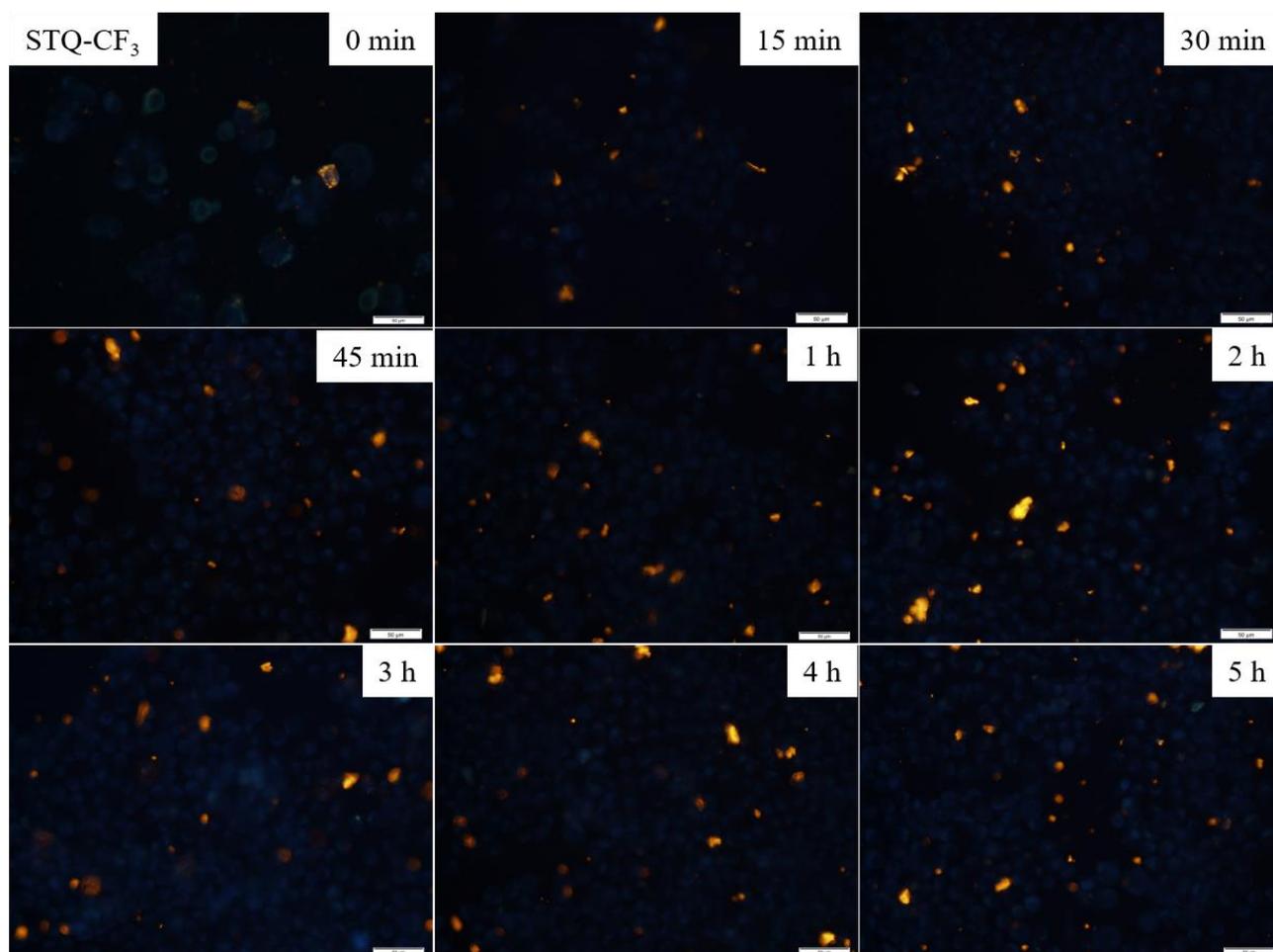


Fig. S4. Fluorescence of mouth epidermal carcinoma cell line KB during incubation with DPAA/ZnO NPs for 5 h. DPAA/ZnO NPs loading into cells was detected every 15-min during the first hour of incubation, then changes in cell fluorescence were registered every hour up to 5 h. Staining with 30 μ M STQ-CF₃ for 30 min. The scale bar is 50 μ m.