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### **Characterization of the Uptake and Intracellular Trafficking of G4 Polyamidoamine Dendrimers**

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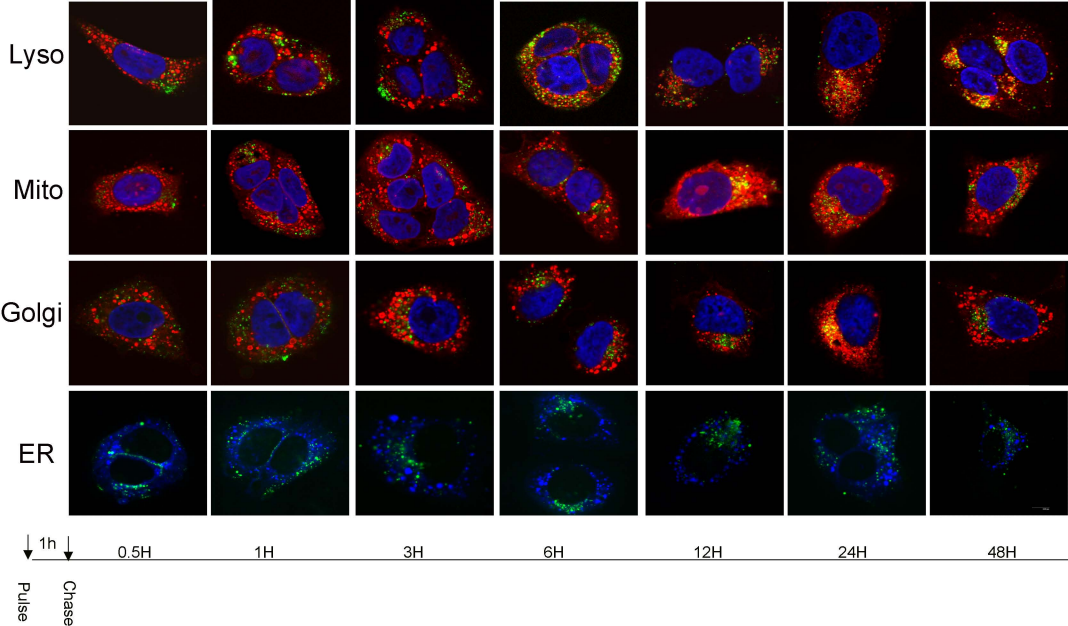
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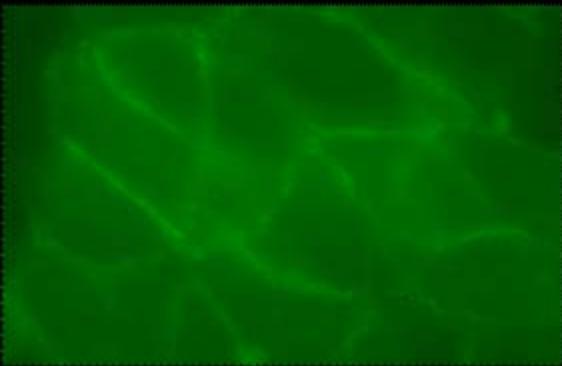
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**Figure S1.** Subcellular localization of G7-FITC in HaCat cells. HaCat cells were pulsed with G7-FITC dendrimer (27 mg per 2 mL) for 1 h and then chased for different periods of time as indicated. Organelles such as lysosomes, mitochondria, Golgi apparatus, and endoreticulum (ER) were visualized using specific markers that induced a red fluorescent signal, except for the ER marker that induced a blue fluorescent signal. The G7-FITC dendrimer signal was green, but upon co-localization with the lysosome, mitochondrion, or Golgi apparatus marker, the signal became yellow. The nuclei of all cells were counter-stained with Hoechst 33342 (blue), except those stained with the ER marker because the ER marker itself induced a blue fluorescent signal.

**Figure S2:** Intracellular observation of free FITC and G4-FITC dendrimer using fluorescence microscopy.



G4-FITC



FITC

