



**Supplementary Figure 2.** A. UV-Vis absorption spectra of arsenazo III and  $\text{GdCl}_3$  as a function of the concentration of  $\text{Gd}^{3+}$ . B. UV-Vis absorption spectra of arsenazo III and Gd-DTPA (0.1 mM), and arsenazo III and Gd-DTPA/DACHPt (1:1; 0.1 mM). The concentration of arsenazo III was fixed at 0.1 mM. These results suggest the absence of free  $\text{Gd}^{3+}$  in the mixture of DACHPt and Gd-DTPA.