## Substituent enhanced fluorescence properties of star α-cyanostilbenes and its application in bioimaging

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Figure S1. <sup>1</sup>H NMR (300 MHz) spectrum of star NTBTBPA in CDCl<sub>3</sub>.







Figure S3. <sup>1</sup>H NMR (300 MHz) spectrum of star NTBTMPA in CDCl<sub>3</sub>.

Figure S4. <sup>13</sup>C NMR (300 MHz) spectrum of star NTBTMPA in CDCl<sub>3</sub>.



Figure S5. ESI Mass spectrum of of star NTBTBPA, Calculated molecular Weight = 859.97 Mass obtained in positive mode = 859.93.



Figure S6. ESI Mass spectrum of of star NTBTMPA, Calculated molecular Weight = 716.27 Mass obtained in positive mode = 716.30.



Figure S7 the Lippert-Mataga plot of the fluorescent star molecules NTBTMPA and NTBTAPA.