## Electronic Supplementary Information

## Single Molecular Hyperbranched Nanoprobe for Fluorescence and Magnetic Resonance Dual Modal Imaging

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Fig. S3 <sup>1</sup>H NMR spectrum of POSS-OH. The solvent is CDCl<sub>3</sub>.

**Fig. S4** <sup>1</sup>H NMR spectrum of POSS-HPG. The solvent is CD<sub>3</sub>OD.



**Fig. S1** <sup>1</sup>H NMR spectrum of compound **5**. The solvent is CDCl<sub>3</sub> (\*).



Fig. S2 <sup>13</sup>C NMR spectrum of compound 5. The solvent is CDCl<sub>3</sub> (\*).



**Fig. S3** <sup>1</sup>H NMR spectrum of POSS-OH. The solvent is  $CDCl_3$  (\*).



Fig. S4 <sup>1</sup>H NMR spectrum of POSS-HPG. The solvent is CD<sub>3</sub>OD (\*).