

Supporting Information

Dual-mode fluorescence and magnetic resonance imaging nanoprobe based on aromatic amphiphilic copolymer encapsulated CdSe@CdS and Fe₃O₄

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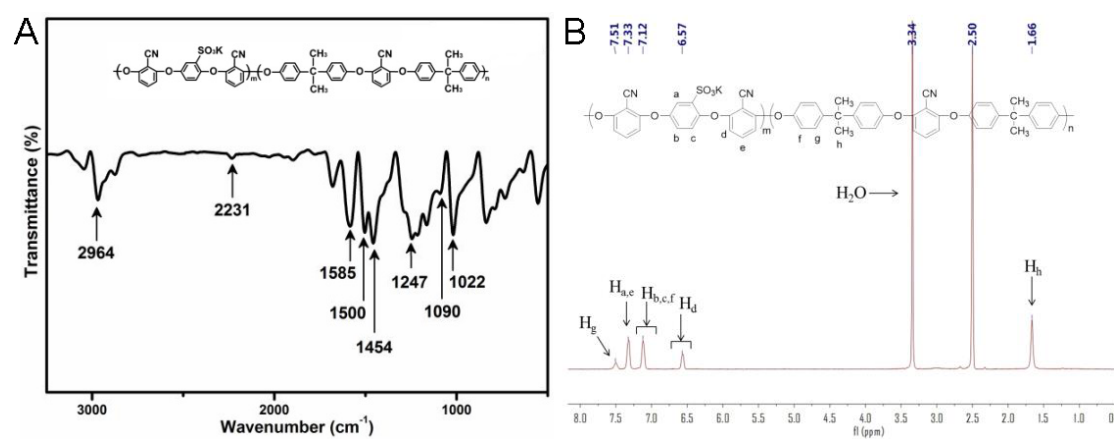


Figure S1. The FTIR spectrum (A) and the ¹H NMR spectrum (B) of the synthesized amphiphilic polyarylene ether nitrile.

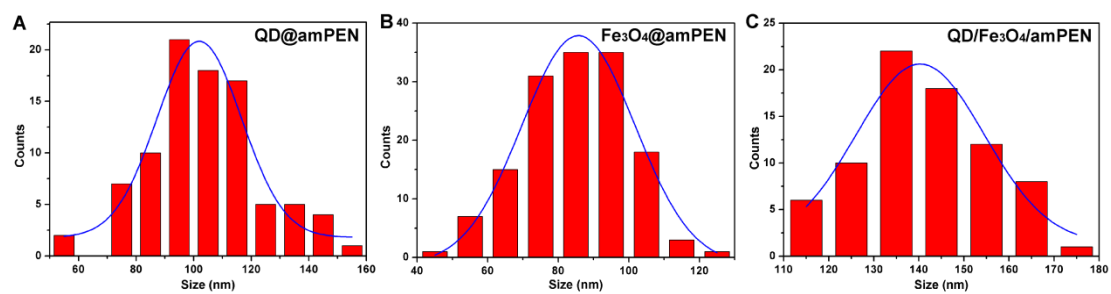


Figure S2. The size distribution histograms of the prepared QD@amPEN (A), Fe₃O₄@PEN (B) and QD/Fe₃O₄/amPEN (C) nanospheres.

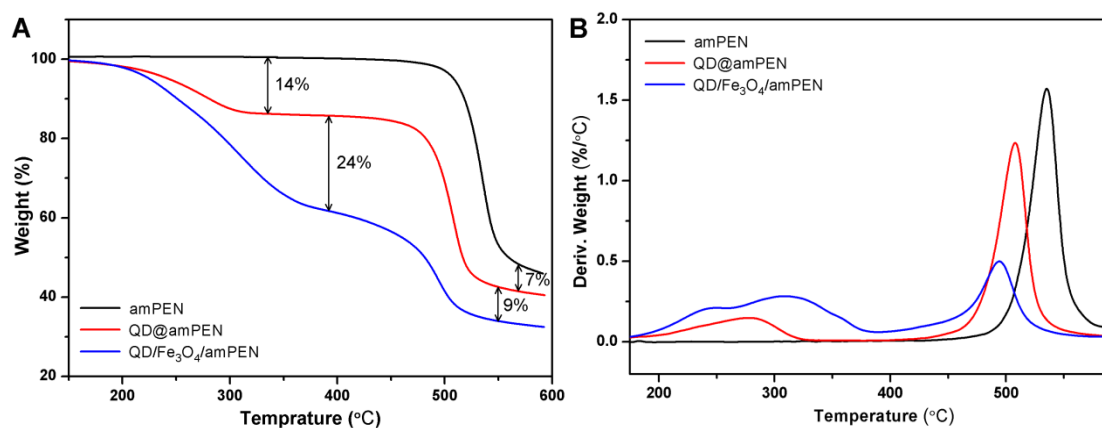


Figure S3. The TGA curves (A) and corresponding differential TGA curves (B) of the synthesized amPEN, QD@amPEN as well as QD/Fe₃O₄/amPEN nanospheres.

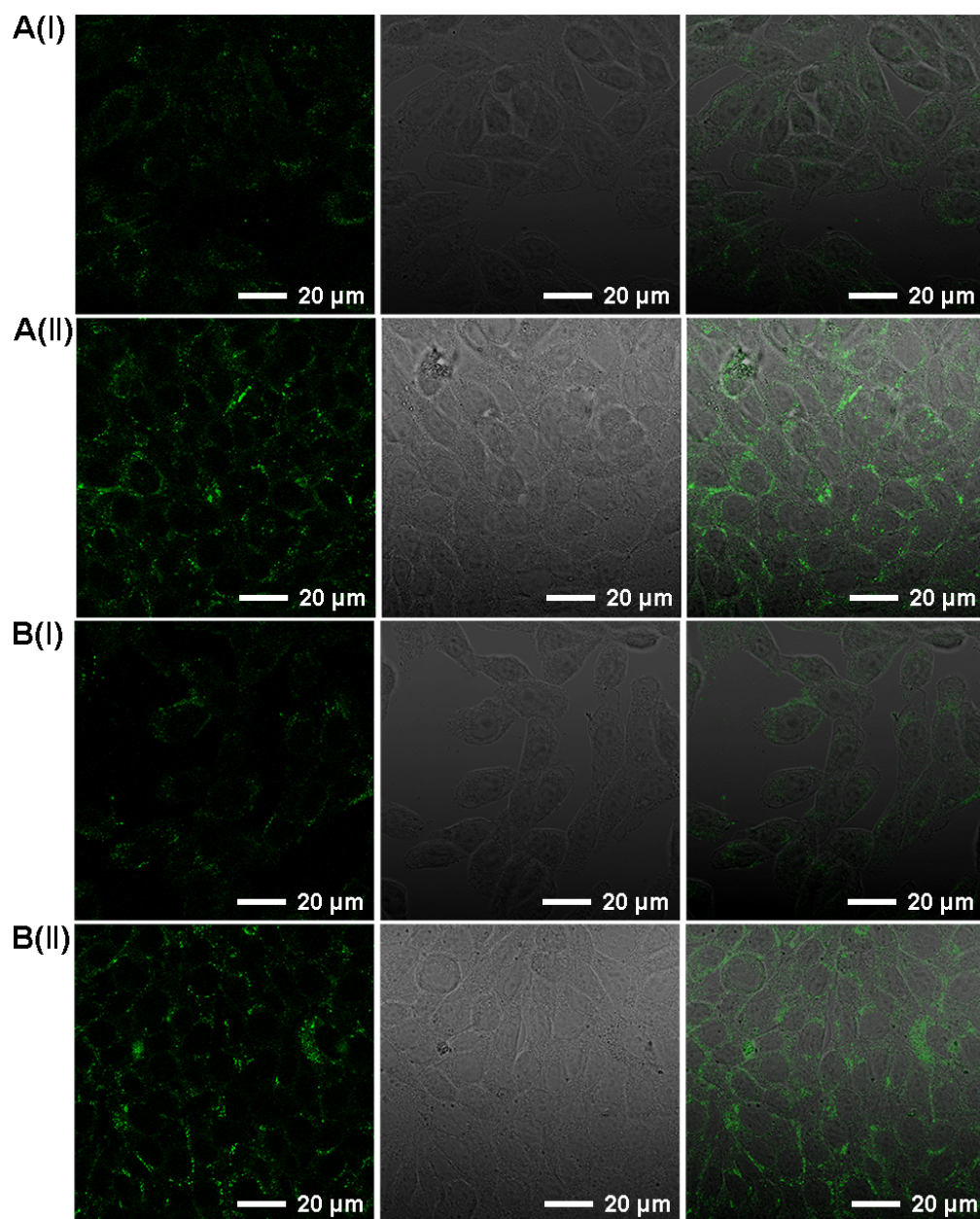


Figure S4. The confocal images of EMT6 cells labeled with QD@amPEN (A) and QD/Fe₃O₄/amPEN (B) nanospheres at a concentration of 60 μg/mL and incubated for 3 h (I) and 12 h (II) under green channel, bright field, and merged images, respectively.