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Title: Surface grafting of zwitterionic polymers onto dye doped AIE-active luminescent silica nanoparticles through surface-initiated ATRP for biological imaging applications

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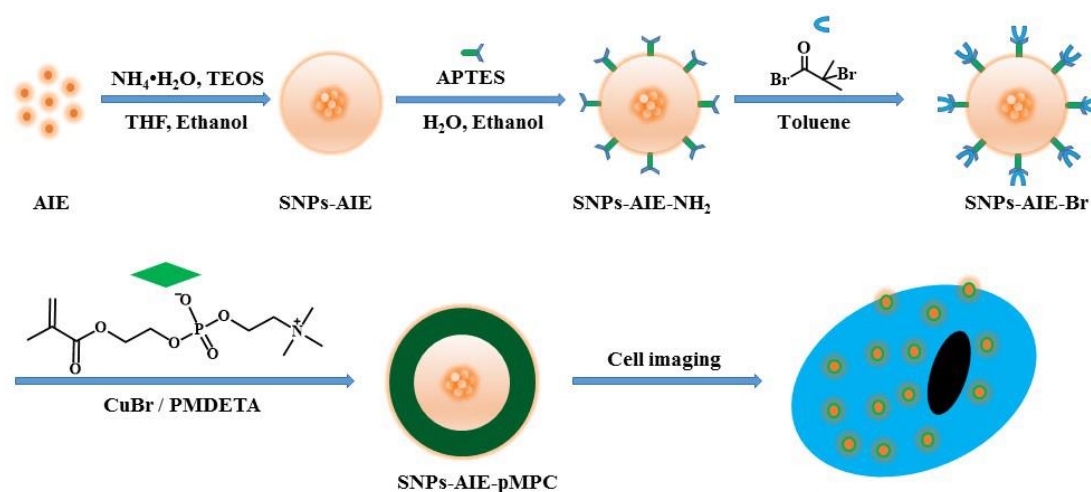
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Graphical abstract



The dye-doped luminescent silica nanoparticles were obtained via directly encapsulated with aggregation-induced emission dye and subsequently functionalized with zwitterionic polymers through surface-initiated atom transfer radical polymerization

Highlights

- Dye doped luminescent silica nanoparticles
- Surface modification of luminescent silica nanoparticle via surface-initiated ATRP
- Aggregation-induced emission dyes based nanocomposites
- The AIE-active luminescent silica nanoparticles for biological imaging

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