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Synthesis of dual temperature- and pH-responsive yolk-shell nanoparticles by conventional etching and new deswelling approaches: DOX release behavior

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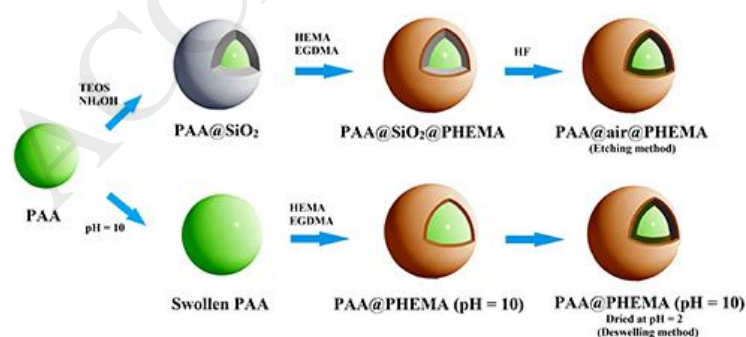
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Graphical Abstract:



Yolk-shell nanoparticles were prepared *via* a template-assisted route through silica template etching (top) and a template-free route (bottom), with cross-linked poly(acrylic acid) as pH-responsive core and poly(2-hydroxyethyl methacrylate) as temperature-responsive shell.

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