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A microwave-triggered controllable drug delivery system based on hollow-mesoporous cobalt ferrite magnetic nanoparticles

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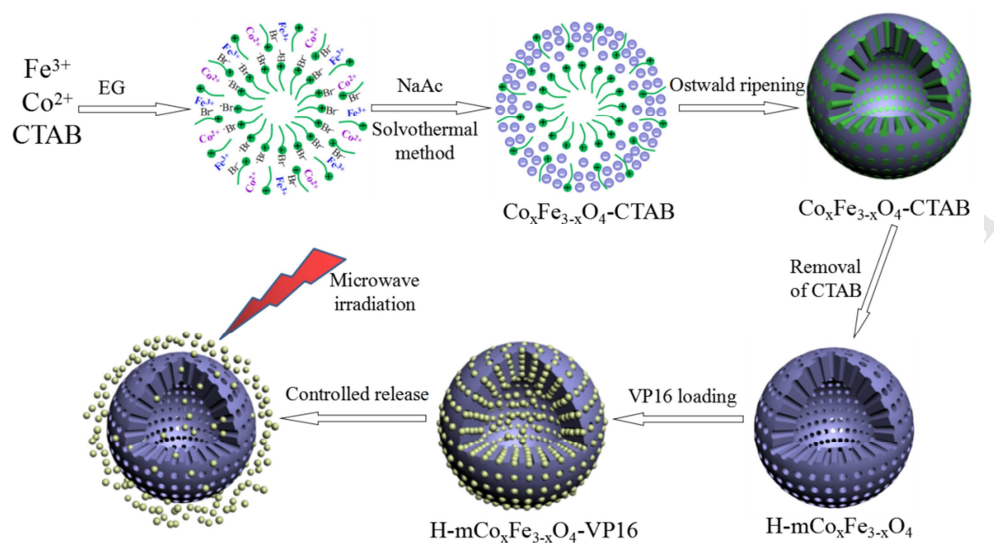
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Graphical Abstract



Herein we developed a CTAB-assisted solvothermal process to synthesize hollow-mesoporous structured cobalt ferrite ($\text{H-mCo}_x\text{Fe}_{3-x}\text{O}_4$) nanoparticles, which also possess the properties of magnetic targeting and microwave-heat transformation. In addition, etoposide (VP16) was used to investigate the drug loading and microwave controlled release.

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