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Biomass-based magnetic fluorescent nanoparticles: One-step scalable synthesis, application as drug carriers and mechanism study

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Highlights:

- The MFNPs were one-step continuously synthesized via IS-RPB.
- The MFNPs are substantially free of cytotoxicity.
- The MFNPs exhibited a relatively high 5-FU loading capacity.
- The equilibrium, loading and release kinetics and thermodynamic experiments were conducted.

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