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Synthesis of a poly(ester) dendritic β -cyclodextrin derivative by “click” chemistry: Combining the best of two worlds for complexation enhancement

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Graphical abstract



Highlights

- A β -cyclodextrin-poly(ester) dendritic structure was synthesized
- Click chemistry is an efficient approach to “dendronize” β -cyclodextrin macrocycle
- The β CD-poly(ester) dendritic derivative is highly water soluble and non-toxic
- The β CD-poly(ester) dendritic derivative shows a great complexation potential

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