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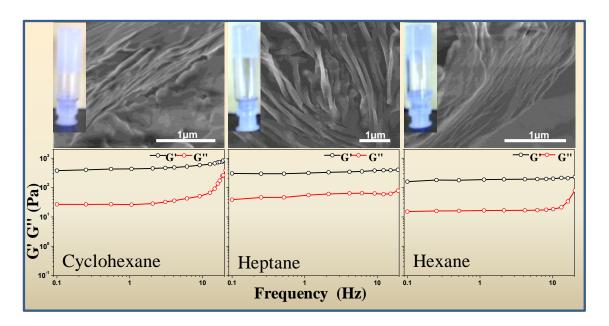
Synthesis and studies on gelation ability of phenol based maleate amphiphile and its application in nutraceutical release

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Graphical Abstract



Abstract

In the search for a low molecular weight organo gelator, sodium-4-oxo-4-((11-phenoxyundecyl)oxy)but-2-enoate (PUDMS) was designed and synthesized using phenol, 11-bromoundecanol, and maleic anhydride as starting materials. The maleate based amphiphile entrap hydrocarbon solvents like cyclohexane, hexane, and heptane in the

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