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Development of stained polymeric nanocapsules loaded with model drugs: use of a fluorescent poly(phenyleneethynylene)

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Graphical Abstract

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Highlights

- A poly(phenyleneethynylene) was successfully incorporated in polymeric nanocapsules
- The stained nanocapsules provided efficient release of two model drugs
- The pPy3E-sqS it proved to be a great candidate for labeling nanocapsules

ABSTRACT

A phenyleneethynylene polymer (here denoted pPy3E-sqS) was synthesized and characterized by UV-Vis spectroscopy, fluorescence spectroscopy, and TEM, and was used for the staining of polymeric nanocapsules. The nanocapsules presented good temporal stability, without changes in shape or fluorescence, and were suitable for use

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