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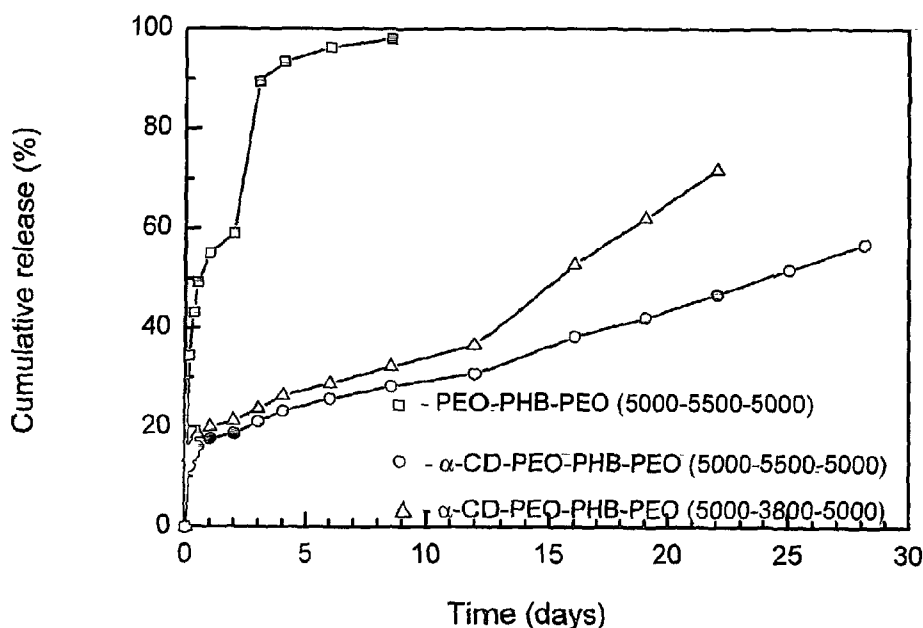
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(54) Title: BIODEGRADABLE TRIBLOCK COPOLYMERS, SYNTHESIS METHODS THEREFOR, AND HYDROGELS AND BIOMATERIALS MADE THERE FROM



(57) Abstract: A drug delivery system that includes a hydrogel formed from cyclodextrin and an amphiphilic copolymer that includes an A polymer block comprising a poly(alkylene oxide) and a B polymer block comprising a poly(hydroxyalkanoate), and a therapeutically effective amount of at least one therapeutic agent intimately contained within the hydrogel. In one preferred embodiment of the invention, the A polymer block is poly(ethylene oxide) (PEO) and the B polymer block is poly[(R)-3-hydroxybutyrate] (PHB), and the copolymer is the triblock ABA copolymer PEO-PHB-PEO. A method of synthesizing the amphiphilic triblock copolymer is also provided.



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
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