

عنوان مقاله:

Investigation of Effect of Various Drug Loading on Buprenorphine Hydrochloride release from In situ forming Systems based on PLGA polymers

محل انتشار:

پانزدهمین کنگره ملی مهندسی شیمی ایران (سال: 1393)

تعداد صفحات اصل مقاله: 4

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خلاصه مقاله:

On the bases of the previous investigations on developing in situ forming sol-gel delivery system for some therapeutic agents, optimization of these systems for a sustained and prolonged delivery of buprenorphine in post treatment of narcotic addiction, controlling acute and chronic pains has been proposed. Different loadings of 15, 30, and 60 mg buprenorphine hydrochloride using Poly (D, L-lactide-co-glycolide)/N-methyl-2-pyrrolidone and deionized water as gel forming and release medium were prepared. Release profiles were constructed. Data revealed that the burst and prolongation of the release increases as well as drug loading increase

کلمات کلیدی:

Sol-gel delivery system, Buprenorphine hydrochloride, PLGA, Drug loading

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