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عنوان مقاله:

Stabilized colloidal graphene oxide with hydroxyethyl cellulose as a new folate-targeted nanocarrier

محل انتشار:

یازدهمین سمینار بین المللی علوم و تکنولوژی پلیمر (سال: 1393)

تعداد صفحات اصل مقاله: 2

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خلاصه مقاله:

Non-covalent functionalization of graphene oxide with hydroxyethyl cellulose (HEC) is done to stabilize graphene oxide (GO) in physiological pH. Thereafter, loading and release behaviour of Folic acid from the resultant nanohybrid is assessed showing that the nanohybrid can be highly loaded by drug molecules. Depending on the concentration of HEC in the nanohybrid it can be used either as a carrier for controllable release of drug or as a folate targeted drug carrier

کلمات کلیدی:

Graphene oxide stabilization, physiological solutions, folate-targeted drug delivery

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