

عنوان مقاله:

Evaluation of the effect of Solid lipid nanoparticles conjugated with cadmium telluride (CdTe) quantum dots loaded with Meglumine Antimoniate and Amphotericin B on Leishmania major parasites in vitro and in vivo

محل انتشار:

دهمین کنفرانس بین المللی علوم و توسعه فناوری نانو (سال: 1402)

تعداد صفحات اصل مقاله: 18

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خلاصه مقاله:

Background: Leishmaniasis , caused by Leishmania species protozoan parasite, is endemic in more than ۹۸ countries. Leishmanosidal drugs, treatment of these intracellular pathogens is still a major challenge due to the established drug resistance Methods: Double emulsion/melt dispersion technique was used for synthesise of SLNResults: formulations in the treated groups compared to the control group led to a significant reduction in the size of the lesion. Also, the sizes of the lesions in groups treated with SLN-Glu and SLN-AmB showed a significant difference compared to the control group Conclusion: It seems that traditional drugs, can be replaced by new formulation of nanoparticles due to their more effectiveness and less toxicity

کلمات کلیدی:

Nanoparticles, , Meglumine Antimoniate , Amphotericin B, Leishmania major

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