

عنوان مقاله:

HHb-binding and Anticancer Activities of Green Synthesized ZnO Nanoparticles

محل انتشار:

هفتمین کنفرانس ملی نوآوری و فناوری علوم زیستی و شیمی ایران (سال: 1402)

تعداد صفحات اصل مقاله: 7

نویسنده:

Fatemeh Karampour - Department of Chemistry, Technical and Vocational University (TVU), Tehran, Iran

خلاصه مقاله:

In this investigation, the interaction of the green synthesized zinc oxide nanoparticles (ZnO NPs) through Echinophora platyloba DC. (*E. platyloba*) extract mediated synthesis with Human hemoglobin (HHb) was investigated employing different spectroscopic methods. The results of the MTT assay exhibited that green synthesized ZnO NPs have efficient anticancer potential on Raji cell line. The results of CD spectrometry showed that the secondary structure of HHb remains unchanged, suggesting that the green synthesized ZnO NPs could be employed as a carrier in the drug .delivery system without any cytotoxicity effect

کلمات کلیدی:

ZnO NPs; Green chemistry; Extract; HHb; Anticancer

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1767006>

