

عنوان مقاله:

Synthesis of MOF as a drug nanocarrier and evaluation of its toxicity on cancer cells

محل انتشار:

اولین کنگره ملی رویکردهای نوآورانه در سیستم بیولوژی، داروسازی و صنایع غذایی (سال: 1400)

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خلاصه مقاله:

MIL-100 (Fe) was synthesized as a new class of porous, high-surface crystalline MOFs containing iron oxide (III) clusters, and then MTT assay was performed to confirm biocompatibility and non-toxicity. Introduction: Cancer is one of the leading causes of death and a major barrier to life expectancy worldwide and today, cancer is the second leading cause of death in the world (1). In recent years, various types of materials have been introduced as semiconductors. Among them, metal-organic (MOF) frameworks have attracted much attention in industry and research centers (2). In this study, the MIL-100 nanocarrier was introduced as a new class of porous, high-surface crystalline MOFs containing iron oxide (III) clusters are synthesized (3). We performed MTT testing on cancer cells, including MCF-Y

کلمات کلیدی:

MOF, MIL-100, Nanodrug Delivery, MTT assay

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