

عنوان مقاله:

Actinorhodin Production by *Streptomyces coelicolor* A(3)2

محل انتشار:

پنجمین کنگره بین المللی مهندسی شیمی (سال: 1386)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

Attempts were made to isolate *Streptomyces coelicolor* producing actinorhodin by sampling from dessert soils. Subsequently, enrichment, isolation and preparation of pure cultures were performed. Although the appearance of isolated bacteria was similar to *Streptomyces coelicolor*, none of them produced actinorhodin, the blue-pigmented antibiotic. Therefore, *Streptomyces coelicolor* A(3) obtained from Isfahan University was cultivated. Using Hobbs' medium a maximum of 6.8 mg/l actinorhodin was produced. By manipulating nitrate and phosphate concentration of .medium, actinorhodin production reached to 75.13 mg/l

کلمات کلیدی:

Antibiotic, *Streptomyces coelicolor*, Actinorhodin

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