

皂角刺가 癌細胞에 미치는 影響*

韓宗鉉**

ABSTRACT

The purpose of this study was to investigate the effect of *Gleditsiae Spina* on the proliferation of human cancer cell-lines.

The effects of *Gleditsiae Spina* on the proliferation of A431, HeLa, MOLT-4, K562 cells, Balb/c 3T3 cells, mouse thymocytes, splenocytes and human lymphocytes were estimated by MTT colorimetric assay.

The results were as follows:

1. *Gleditsiae Spina* increased the proliferation of HeLa, MOLT-4 and K562 cells.
2. The cytotoxicity of mitomycin C on K562 cells was increased by the combination of *Gleditsiae Spina*.
3. *Gleditsiae Spina* did not effect the proliferation of Balb/c 3T3 cells.
4. *Gleditsiae Spina* stimulated the proliferation of thymocytes.
5. *Gleditsiae Spina* stimulated the proliferation of splenocytes.
6. *Gleditsiae Spina* stimulated the proliferation of human lymphocytes.

* 논문분량관계로 요약문만 실었습니다.

** 圓光大學校 韓醫科大學