URN etd-0407109-183724-2038
Author Kao-Shien Huang
Author's Email Address No Public.
Statistics This thesis had been viewed 39 times. Download 0 times.
Department
Year 2006
Semester 1
Degree Master
Type of Document Master's Thesis
Language zh-TW.Big5 Chinese
Title The Evaluation of Antitumor and Antioxidative Activities of Water Extracts from Different Kinds of Chinese Herbs
Date of Defense 0000-00-00
Page Count 75

Keyword
No Any Keyword Information.

Abstract
The Chinese herbs medicine is a method which used to treat the disease in several millenniums, and it acts the important role in the traditional therapy. The present treatment is almost the western medicine, its effect curative reveals. But more or less all follows some side effects. Although the effect of the Chinese native medicine is slow, but its side effect are less. Thus the Chinese medicine has be studied extensive in the near for 40 year, were expected can be discover the new treatment. However the most research are study one element of the Chinese herbs medicine, but this experiment is about the biological activity of the hot water extraction from the the Chinese herbs medicine. This experiment uses the cancer cell as the experimental object to conduct the research, based on this formula is used to treat the cancer. The results show that the water extraction has reveals effect at the suppression of cell proliferation in HeLa and B16F10, and the effect is also reveal by FACSCAN in HeLa. it is not obvious difference with the anti- cancer medicine (Doxorubicin) in MCF-7 and HeLa.
The anti-migration aspect, the sample is not obvious difference to suppresses HT1080 cell secret metallo-proteinase-2（MMP-2）, but sample A and F have the obvious effect to suppress the secretion of MMP-9. The sample F can reduce the performance of the mRNA（MMP-2 and MMP-9 ）in RT-PCR, performs F to assist Doxorubicin, may obviously promote to suppress MMP-9 be secreted. And F also displays the effect to suppressing the migration of HeLa .
In the regulation of the immunity, only C and J treat HeLa has the little effect to promote the immunity in the statistics. Although sample B may reduce the NO secretion quantity which LPS induces, but actually only can reduce 7μM at anti- inflammation.
In the anti- oxidized aspect, although D and H are unable to recover its oxidized pressure to normal status (con), but has been possible to improve the oxidized pressure which H2O2 10 mM induces. E, H, I and J has the effect in the suppression of the melanin lump cell (B16F10) secretes the tyrosinase, especially I and J.
This research indicate F has the good effect in suppresses the HeLa cell in the proliferation and the migration, if F performs to assist Doxorubicin may be better to suppress MMP-9 secreted ; In the immunity aspect, the Chinese medicine has not obvious effect ; H has the ability of recover oxidation pressure and the suppression tyrosinase performance. Whether H can be used to conduct the cosmetics research, will be another research topic.
Advisory Committee Jian-Chyi Chen - advisor

Files No Any Full Text File.
Date of Submission 2007-08-20