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中国中药杂志 **China Journal of Chinese Materia Medica**

山菠菜三萜组分在体外及体内对Ⅱ相解毒酶的调控作用机制

投稿时间: 2012-05-04 责任编辑: 点此下载全文

引用本文: 金苹漂晓斌,刘文博,贾晓斌,山菠菜三薪组分在体外及体内对 Π 相解毒酶的调控作用机制 Π .中国中药杂志.2012.37 (23)3637.

DOI: 10.4268/cicmm20122327

摘要点击次数:22

全文下载次数:33













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基金项目:江苏省中医药科技专项(LZ11062):江苏省"六大人才高峰"项目(HZ09032)

中文籍要:目的: 研究山渡菜三载组分体外及体内对 II 相脑的活力及其蛋白表达的影响。方法: 体外采用正常人支气管上皮(NHB 巨细胞模型:体内采用昆明(KM)小鼠模型:以1-氯-24—硝基苯(CDNB)比色法检测GST活力,NADPH与2.6—氯靛酚钠(DCIP)测试N QO1活力.5.5—高。硝基苯甲酸(DTNB)比色法测定GSH含量 Western blov测定NQO1蛋白的表达。结果: 山废菜三磷组分能增加N 阳唇细胞和RM小鼠肺脏内径T和NQO1的酶活力并增加SH内含造工作体外增加NQO1和Nr2的蛋白表达。结论: 山菠菜三磷组分可以通过调节体内外 II 相解毒酶的酶活力及蛋白表达来实现缩化学预防。

中文关键词:山菠菜 三萜组分 GSH GST NQO1

Regulation mechanism of triterpenoid components from {\it Prunella asiatica} on phase $\, \, {\mathbb H} \,$ detoxifying enzymes in vitro and in vivo

Abstract: To study the effects of triterpenoid components from Prunella asiatica on phase II detoxifying enzymes and protein expression Abstract:To study the effects of triterpenoid components from Prunella asiatica on phase [I] detoxifying enzymes and protein expression in vitro and in vitro. Normal human bronchial epithetial (NHBE) cell model was used in vitro, and the nouse model of Kunning (RM) mice was used in vivo. CDNB assay was used to measure the activity of GST. NADPH and DCIP was used to detect the activity of ROO1. DTNB colorimetric assay was used to detect GML western blot was use to detect the protein expression of NQO1. We found that triterpenoid components from P. asiatica could increase the activity of GST, NQO1 and GSH in NHBE cells and KM mice. NQO1 protein expression can also be increased in vitro. The study suggests that triterpenoid components from P. asiatica can prevent the lung cancer by regulating the body phase [] detoxification enzyme activity and protein expression.

keywords: Prunella asiatica triterpenoid components GSH GST NQO1

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