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Name of journal: *World Journal of Hepatology*

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Basic Study

Lycopene modulates cellular proliferation, glycolysis and hepatic ultra-structure during hepatocellular carcinoma

Prachi Gupta, Nisha Bhatia, Mohinder Pal Bansal, Ashwani Koul

Abstract

AIM: To investigate the effect of lycopene on ultra-structure, glycolytic enzymes, cell proliferation markers and hepatic ultra-structure during hepatocellular carcinoma.

Match Overview

- 1 **CrossCheck** 52 words 1%
Arora, N., M. P. Bansal, and A. Koul. "Azadirachta indica acts as a pro-oxidant and modulates cell cycle associated proteins in HepG2 cells."
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Arora, Neha, and Ashwani Koul. "A 'complex solution' to a 'complex' problem : tackling the complexity of cancer with b..."
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Gupta, Prachi, Mohinder Pal Bansal, and Ashwani Koul. "Evaluating the effect of lycopene from Lycopersicon esculentum on..."
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Scolastici, C. "Tomato oleoresin inhibits DNA damage but not diethylnitrosamine-induced rat hepatocarcinogenesis".
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Lycopene modulates cellular proliferation, glycolysis and hepatic ultrastructure



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[... balance in the pathogenesis of nonalcoholic fatty liver ...](#) - Gambino - 被引用次数: 74

[terpenoids and liver cancer](#) - NCBI - National Institutes of Health

www.ncbi.nlm.nih.gov/pmc/articles/PMC3182282/

27 Sep 2011 ... Both *in vitro* and *in vivo* effects of these agents and related cellular and ...
Keywords: Terpenoids, Liver cancer cells, Hepatocellular carcinoma, proliferation, growth and invasion of a variety of liver cancer cell They also concluded that lycopene's chemopreventive effects were due to its modulating ...

[Hedgehog Controls Hepatic Stellate Cell Fate by Regulating ...](#) - NCBI

www.ncbi.nlm.nih.gov/pmc/articles/PMC3480563/

8 Aug 2012 ... Glycolysis and lactate production were disrupted in HSC to determine if
Many highly proliferative cells, including cancer cells, exhibit high glycolytic HSC transdifferentiation and evaluated the effect of modulating SMO activity. and hepatocellular carcinoma in a murine model of primary liver cancer.

[Cancer prevention and therapy through the modulation of the tumor ...](#)

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[Clinical applications of research on angiogenesis](#) - Folkman - 被引用次数: 2827

[Sustained proliferation in cancer: Mechanisms and ...](#) - ScienceDirect

www.sciencedirect.com/science/article/pii/S1044579X15000140

17 Apr 2015 ... The centrality of cell proliferation as a target in carcinogenesis ... dysregulated signaling-mediated proliferation, enhanced glycolysis, and hypoxia ... renewal of CSCs through the IGF-1 signaling in hepatocellular carcinoma [198]. ... Lycopene blocked cell growth in breast, prostate and endometrial cancer ...

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10 Apr 2015 ... Cancer arises in the context of an in vivo tumor microenvironment. ... inhibit proliferation of T cells and NK cells, promote regulatory T cell (Treg) ... cholesterol and triglyceride synthesis in hepatic cells via activation of AMP kinase [243]. ... insulin-like growth factors (IGFs) in hepatocellular carcinoma cells, ...

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缺少字词: lycopene ultra

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2016年1月12日 - Loss of 11 β HSD1 enhances **glycolysis**, facilitates intrahepatic metastasis, and indicates poor prognosis in **hepatocellular carcinoma**. (1)**Hepatic** Surgery Centre, Tongji Hospital, Tongji Medical College, Huazhong ... resulted in repression of **cell** migration, invasion, angiogenesis, and **proliferation** in vitro.

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作者: JM Wilson - 2014 - 被引用次数: 5 - 相关文章

2014年6月4日 - MK2206 inhibits **hepatocellular carcinoma** **cellular proliferation** via induction of apoptosis and cell cycle arrest. Wilson JM(1) ... There was an observed reduction in caspase-9 and