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Manuscript NO: 54758

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Basic Study

Gan Shen Fu Fang ameliorates liver fibrosis *in vitro* and *in vivo* by inhibiting the inflammatory response and extracellular signal-regulated kinase phosphorylation

Abstract

BACKGROUND

Liver fibrosis is a common healthy problem worldwide and there is still a lack of

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The present study was designed to verify the effect of the Chinese prescription Gan-fu-kang (GFK) on the treatment of liver fibrosis, and to investigate its underlying mechanisms. Liver fibrosis was established in rats by the subcutaneous administration of 0.5 mg/kg carbon tetrachloride (CCl4) twice a week for 8 ...

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Fang Gan, Qing Liu, Yunhuan ... Yu-Qing Zhao and Ji-Xing Nan, Cucurbitacin E ameliorates hepatic fibrosis in vivo and in vitro through activation of AMPK and ... Qiang Ding, Panpan Lu, Dean Tian and Mei Liu, Effect of SEPT6 on the biological behavior of hepatic stellate cells and liver fibrosis ...

<https://onlinelibrary.wiley.com/doi/10.1002/cphy.c120035>

Application and Mechanisms of Triptolide in the ... [翻译此页](#)

Author: Kai Yuan, Xiaohong Li, Qingyi Lu, Qing... Publish Year: 2019

位置: 8600 Rockville Pike, Bethesda, MD

Liver Fibrosis . Liver fibrosis is the excessive accumulation of extracellular matrix that occurs in most types of chronic liver diseases (Bataller and Brenner, 2005). Chong et al. (2011) found that 20 µg/kg triptolide exerts antihepatofibrotic effects in animal model of liver fibrosis. Triptolide inhibited the NF-κB signaling pathway in ...

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Author: Yu-xiang Fei, Bo Zhao, Qi-yang Yin, Y... Publish Year: 2019





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One approach for **inhibiting** NF-κB activation is to use small peptides that cross the cell membrane ... at Lys 314/315 **in vitro and in vivo** in **response** to ... De Bosscher K, Schmitz ML, Fiers W, Haegeman G. p38 **and extracellular signal-regulated kinase** mitogen-activated protein **kinase** pathways are required for nuclear factor-kappaB p65 ...

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Identification of NF-κB inhibitors following Shenfu injection and bioactivity-integrated UPLC/Q-TOF-MS and screening for related anti-**inflammatory** targets **in vitro** and in silico

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Xin **Fu** Li granules reduce doxorubicin or adriamycin -induced cardiotoxicity **by inhibiting** cardiomyocyte apoptosis [100,101]. (4) In the tonifying Qi-Yang herb group, **Shen Fu** injection and Guizhi Gancao Decoction have the inhibitory roles in cardiomyocyte apoptosis upon I/R [102,103].

Author: YuZhen Li, XiuHua Liu **Publish Year:** 2019

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Danshensu alleviates cardiac **ischaemia/reperfusion** injury **by inhibiting** autophagy and apoptosis via activation of mTOR signalling ... dilation effect of **shen fu** injection was medi- ... employed to ...

[Inhibiting NF-κB activation by small molecules as a ...](#)

<https://www.sciencedirect.com/science/article/pii/S1874939910000659>

Daxx, a protein associated with the death domain of Fas receptor, has been reported to suppress NF-κB