

ALL IMAGES VIDEOS

224,000 Results Any time ▾

Fasudil alleviates hepatic fibrosis in type 1 diabetic ...<https://pubmed.ncbi.nlm.nih.gov/30229844>

Results: The DM group exhibited hepatic fibrosis with remarkable liver damage and inflammation reaction by the activation of the NF- κ B pathway. Treatment with fasudil or captopril suppressed not only the inflammation reaction but also the accumulation of the extracellular matrix due to the downregulation of TGF- β 1 and MMP-9/TIMP-1, which induces the amelioration of the liver fibrosis with diabetes.

Cited by: 5

Author: Y Xie, T Song, M Huo, Y Zhang, Y-Y Zhang, ...

Publish Year: 2018

Macrophage-targeting Fasudil treatment protects liver from ...<https://portlandpress.com/bioscirep/article/doi/10...>

Here, using Fasudil carried liposomes, we specifically inhibited the ROCK-II expression in Kupffer cells and blood monocytes. Through this macrophage/monocyte specific treatment of Fasudil, we successfully protected the liver from IRI by shifting Kupffer cells/monocytes from M1/classical to M2/patrolling phenotype in the liver and peripheral blood.

Fasudil hydrochloride hydrate, a Rho-kinase inhibitor ...<https://journals.lww.com/cmj/Fulltext/2014/01200/...>

Fasudil alleviated liver fibrosis in diabetic rats at least in part by inhibiting TGF β 1/CTGF and α -SMA expression through suppression of HSCs activation. Inhibition of the RhoA/ROCK pathway may be a novel target for diabetic liver fibrosis in NASH. Acknowledgements: The authors thank Zhang Kaixia, Zhao Chunfang for their technical assistance. REFERENCES

Fasudil hydrochloride hydrate, a Rho-kinase inhibitor

See results for

Fasudil

Fasudil is a potent Rho-kinase inhibitor and vasodilator. Since it was discovered, it has been used for the treatment ...



Search Tools

Turn on Hover Translation (开启取词)

ALL IMAGES VIDEOS

56,900 Results Any time ▾

Natural killer and natural killer T cells in liver fibrosis

<https://www.sciencedirect.com/science/article/pii/S0925443912002177>

Jul 01, 2013 - Highlights The liver lymphocyte population is enriched with NK and NKT cells. NK cells inhibit liver fibrosis by killing activated HSCs and by producing IFN-γ. IFN-α therapy enhances, while...

Cited by: 138 Author: Bin Gao, Svetlana Radaeva

Publish Year: 2013

Natural Killer Cells Ameliorate Liver Fibrosis by Killing ...

[https://www.gastrojournal.org/article/S0016-5085\(05\)02231-6/fulltext](https://www.gastrojournal.org/article/S0016-5085(05)02231-6/fulltext)

Nov 15, 2005 - Treatment With Interferon γ Activates Natural Killer Cells in the Liver and Enhances the Cytotoxicity of Liver Mononuclear Cells Against Activated Hepatic Stellate Cells The above-mentioned...

Cited by: 558 Author: Svetlana Radaeva, Rui Sun, Barbara Jaruga...

Publish Year: 2006

Images of Fasudil Prevents Liver Fibrosis Via Activating Natural Kil...

[bing.com/images](https://www.bing.com/images)



See all images >

Liver natural killer and natural killer T cells ...

<https://www.researchgate.net/publication/26306814...>

In regulating liver fibrosis, NKT cells appear to be less important than NK cells as a result of hepatic NKT cell tolerance. NK cells inhibit liver regeneration by producing IFN-gamma and killing ...

Natural Killer Cells Ameliorate Liver Fibrosis by Killing ...

<https://www.researchgate.net/publication/7303191...>

It is obvious that liver NK cells via TRAIL, and/or NKG2D signaling have a major role in the removal of activated hepatic stellate cells in fibrotic liver or liver cancerous cells as reported in a ...

PEOPLE ALSO ASK

How is HSC activation promoted or inhibited in the liver? ▾

Is there a cure for advanced liver fibrosis? ▾

What is activated hepatic stellate cells? ▾

Feedback

Exosomal miR-223 derived from natural killer cells ...

<https://molmed.biomedcentral.com/articles/10.1186/s10020-020-00207-w>

Sep 01, 2020 - Activation of hepatic stellate cells (HSCs) is a prominent driver of liver fibrosis. We previously demonstrated that exosomes derived from natural killer (NK) cells (NK-Exo) attenuated TGF-...

Author: Ling Wang, Yinghao Wang, Jun Quan Publish Year: 2020

Hepatic stellate cells as key target in liver fibrosis ...

<https://www.sciencedirect.com/science/article/pii/S0169409X17300637>

Nov 01, 2017 - Natural killer T (NKT) cells also secrete IFNγ and kill activated HSCs, whereas a subset of NKT cells produce IL-4, IL-13, osteopontin, and hedgehog ligands, and promote HSC activation and liver...

Fluorofenidone attenuates hepatic fibrosis by suppressing ...

<https://journals.physiology.org/doi/10.1152/ajpgi.00471.2012>

AKF-PD attenuated the progression of hepatic fibrosis by suppressing HSCs proliferation and activation via the ERK/MAPK and PI3K/Akt signaling pathways. AKF-PD may be used as a potential novel...

Mechanisms of hepatic stellate cell activation | Nature ...

<https://www.nature.com/articles/ngastro.2017.38>

< Pathophysiology Prognosis Introduction Function Clinical >

Hepatic fibrosis is a dynamic process characterized by the net accumulation of extracellular matrix resulting from chronic liver injury of any aetiology, including viral infection, alcoholic liver disease and NASH. Activation of hepatic stellate cells (HSCs) transdifferentiation of quiescent, vitamin-A-storing cells into proliferative, fibrogenic myofibroblasts is now well established as a central driver of fibrosis in experimental and human liver injury. Yet, the continued discovery of novel pathways and mediators, incl...

See more on nature.com

Treatment with 4-Methylpyrazole Modulated Stellate Cells ...

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0127946>

May 29, 2015 - Interestingly, our previous study demonstrated that ADH3 (ADH family class III) is a specific enzyme for retinol metabolism that functions not only in HSCs but also in NK cells and that...

Natural Killer Cells and Liver Fibrosis. - Abstract ...

<https://www.europepmc.org/articles/PMC4731511>

Jan 29, 2016 - NK cell cytotoxicity can contribute to liver damage in different forms of liver disease. However, NK cells can limit liver fibrosis by killing hepatic stellate cell-derived myofibroblasts, which pla...

1 2 8 4 5 >



Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 62639

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Fasudil prevents liver fibrosis via activating natural killer cells and suppressing hepatic stellate cells

Qiu-ju Han *et al.* Fasudil treatment inhibits liver injury and liver fibrosis

Qiu-Ju Han, Yong-Liang Mu, Hua-Jun Zhao, Rong-Rong Zhao, Quan-Juan Guo, Yu-Hang Su, Jian Zhang

Abstract

BACKGROUND

Fasudil, as a RhoA kinase inhibitor, is used to improve brain microcirculation and promote nerve regeneration clinically. Increasing evidence show Rho-kinase inhibition

Match Overview

1	Internet 201 words crawled on 15-Oct-2020 www.scanditor-publications.com	5%
2	Internet 55 words crawled on 16-May-2018 www.wjnet.com	1%
3	Crossref 33 words Xiangqiang Liu, Xiaohu M, Zi Wang, Ming Zhang, Jingang Hou, Shuang Jiang, Yingping Wang, Chen Chen, Wei Li	1%
4	Internet 32 words crawled on 16-May-2020 www.frontiersin.org	1%
5	Internet 30 words crawled on 16-Aug-2020 worldwidescience.org	1%
6	Internet 27 words crawled on 01-Aug-2020 www.oncotarget.com	1%
7	Internet 23 words crawled on 06-Jul-2017 ia.asm.org	1%
8	Crossref 22 words Sang-Ho Ra, Ri-Hwa Shim, Hui-Chol Ri, Jong-Hui Ri, Hui-Chol Ri, Ae-Jong Ri. "Effect of lesimarin against thioac...	1%

国内版 国际版

Fasudil prevents liver fibrosis via activating natural killer cells and su



ALL IMAGES VIDEOS

56,200 Results Any time ▾

Natural killer and natural killer T cells in liver fibrosis

<https://www.sciencedirect.com/science/article/pii/S0925443912002177>

Jul 01, 2013 · Highlights The liver lymphocyte population is enriched with NK and NKT cells. NK cells inhibit liver fibrosis by killing activated HSCs and by producing IFN- γ . IFN- α therapy enhances, while...

Cited by: 135 Author: Bin Gao, Svetlana Radaeva

Publish Year: 2013

Hepatic stellate cells as key target in liver fibrosis ...

<https://www.sciencedirect.com/science/article/pii/S0169409X17300637>

Nov 01, 2017 · Natural killer T (NKT) cells also secrete IFN γ and kill activated HSCs, whereas a subset of NKT cells produce IL-4, IL-13, osteopontin, and hedgehog ligands, and promote HSC activation and...

Cited by: 362 Author: Takaaki Higashi, Scott L. Friedman, Yujin...

Publish Year: 2017

PEOPLE ALSO ASK

How is HSC activation promoted or inhibited in the liver? ▾

Is there a cure for advanced liver fibrosis? ▾

How are hepatic stellate cells related to cirrhosis? ▾

What is activated hepatic stellate cells? ▾

Feedback

Exosomal miR-223 derived from natural killer cells ...

<https://molmed.biomedcentral.com/articles/10.1186/s10020-020-00207-w> ▾

Sep 01, 2020 · Activation of hepatic stellate cells (HSCs) is a prominent driver of liver fibrosis. We previously demonstrated that exosomes derived from natural killer (NK) cells (NK-Exo) attenuated TGF-...

Cited by: 1 Author: Ling Wang, Yinghao Wang, Jun Quan

Publish Year: 2020 Estimated Reading Time: 8 mins

Mechanisms of hepatic stellate cell activation | Nature ...