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2015年11月12日 - In the gut, H₂S regulates functions such as inflammation, ischemia/ ... Non-enzymatic pathways of H₂S generation exist and reduce elemental sulfur to ... In a rat model of water immersion and restraint stress induced gastric ulcers, ... gastric injury were mediated through activation of KATP channels since ...

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31, Kv7 (KCNQ) potassium channels and related diseases ^{Hot} ... Sal and Tyr significantly prevented the cerebral ischemic injury induced by 2 h middle ... DL0309 prominently inhibited LPS-induced the activation of NF-κB in glia cells via ... reverse these mucosal damage induced by water immersion restraint stress 6 h, ...

[PDF] 6 International Symposium on Cell/Tissue Injury and Cytoprotection ...

onlinereg.ru/cytoprotection-2011/Program.pdf ▾ [翻译此页](#)

2011年10月12日 - Session: Mechanisms of NSAID-induced tissue injury (Part 1) ... CRF MAY PROTECT THE GASTRIC MUCOSA IN STRESS ... animals by model of water immersion and restraint ... molecules including ATP-sensitive K⁺ (KATP) channels ... channel-dependent membrane currents, and that H₂S causes.

Lipid peroxidation, reactive oxygen species and antioxidative factors ...

https://www.researchgate.net/.../267871352_Lipid_peroxidation_reactive_oxygen_speci...

The pathogenesis of gastric mucosal damage includes reactive oxygen ... Hydrogen peroxide is further metabolized to water in the presence of ... of stress - induced functional disturbances in the gastric

Name of journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 29477

Manuscript Type: ORIGINAL ARTICLE

Basic study

Hydrogen sulfide attenuates gastric mucosal injury induced by restraint water-immersion stress via activation of K_{ATP} channel and NF-κB dependent pathway

Sun HZ *et al.* Hydrogen sulfide and gastric mucosal injury

Hong-Zhao Sun, Shan Zheng, Kai Lu, Feng-Tian Hou, Jie-Xue Bi, Xue-Lian Liu, Shan-Shan Wang

Hong-Zhao Sun, Shan Zheng, Kai Lu, Feng-Tian Hou, Jie-Xue Bi, Xue-Lian Liu, Shan-Shan Wang, College of Life Science, Qi Lu Normal University, Zhangqiu 250200, Jinan Province, China

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K Kang, M Zhao, H Jiang, G Tan, S Pan... - Liver ..., 2009 - Wiley Online Library
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M Magierowski, K Magierowska, S Kwiecien... - Molecules, 2015 - mdpi.com
... hypothesized to initiate UC in humans and the prolonged production of bacterial NO with sulphide could contribute ... Figure 2. Simplified hydrogen sulfide synthesis pathway: ... It has been shown that H₂S protected the small intestine against dextran sodium sulfate (DSS)-induced ...
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Chapter Six-Medical Functions of Hydrogen Sulfide

B Olas - Advances in clinical chemistry, 2016 - Elsevier
... Nitric Oxide 41 (2014) 4–10; L. Li, P. Rose, PK Moore, Hydrogen sulphide and cell ... to form thiosulfate, before being converted into sulfide and finally into sulfate, its major ... Modified from BL Predmore, D. Lefer, G. Gojon, Hydrogen sulfide in biochemistry and medicine, Antioxid. ...
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Hydrogen Sulfide in Physiology and Diseases of the Digestive Tract

SB Singh, HC Lin - Microorganisms, 2015 - mdpi.com
... supported by the finding that Bilophila wadsworthia, a sulfite-reducing bacteria that generates H₂S ... Peck, HD Enzymatic basis for assimilatory and dissimilatory sulfate reduction. ... Farugia, G.; Szurszewski, JH Production of the gaseous signal molecule hydrogen sulfide in mouse ...
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作者 : SB Singh - 2015 - 被引用次数 : 1 - [相关文章](#)

2015年11月12日 - **Hydrogen sulfide** (H₂S) is a Janus-faced molecule. caused a concentration-dependent inhibition of the activation of **NF-κB**, In a rat model of **water immersion** and **restraint stress induced gastric ulcers**, ... These effects of H₂S against **gastric injury** were mediated **through activation of KATP channels** ...

Hydrogen Sulfide and Carbon Monoxide Protect Gastric Mucosa ...

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作者 : M Magierowski - 2016 - 被引用次数 : 1

2016年8月19日 - **Hydrogen Sulfide** and Carbon Monoxide **Protect Gastric Mucosa** Compromised by Mild **Stress** Against Alendronate **Injury**. ... (CO) can protect against alendronate-induced gastric lesions in rats exposed to mild **stress**. ... activity and the gastric expression of HO-1, HO-2, HIF-1α, **NF-κB**, iNOS, COX-2, IL-1β, ...

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Nitric oxide (NO) and **hydrogen sulfide** (H₂S) are known as biological ... to act **through** vascular smooth muscle ATP-dependent K⁺ **channels**, interacting with the **gastric mucosa** against ethanol, **stress** and NSAID-induced gastric **damage** and number in the animal model of the **water immersion** and **restraint stress**.

[PDF] Hydrogen sulfide preconditioning protects against myocardial ...

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2015年7月15日 - **H₂S** preconditioning significantly reduced myocardial infarct size, ... protein, and **activate** transcription factor in myocardium. ... tenuates ER/SR **stress** and inhibits cardiomyocyte apoptosis in an in vitro ... role in its protective effects against I/R-induced myocardial **injury** ... **through**