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Name of Journal: World Journal of Gastroenterology

Manuscript NO: 40323

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Bypassing major venous occlusion and duodenal lesions in rats, and therapy with the stable gastric pentadecapeptide BPC 157, L-NAME and L-arginine

Amic F et al. BPC 157 and duodenal lesions in rats

Fedor Amic, Domagoj Drmic, Zdenko Bilic, Ivan Krezic, Helena Zizek, Marina Peklic, Robert Klicek, Alen Pajtak, Enio Amic, Tinka Vidovic, Mislav Rakic, Marija Milkovic Perisa, Katarina Horvat Pavlov, Antonio Kokot, Ante Tvrdeic, Alenka Boban Blagaic, Mario Zovak, Sven Seiwerth, Predrag Sikiric

Abstract

AIM

To investigate whether duodenal lesions induced by major venous occlusions can be attenuated by BPC 157 regardless nitric oxide (NO) system involvement.

METHODS

Male Wistar rats underwent superior anterior pancreaticoduodenal vein (SAPDV)-ligation and were treated with a bath at the ligated SAPDV site (BPC 157 10 µg, 10 ng/kg per 1 mL bath/rat; L-NAME 5 mg/kg per 1 mL bath/rat; L-arginine 100

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Stable gastric pentadecapeptide BPC 157 in the treatment of colitis ...

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by A Duzel - 2017 - Cited by 2 - Related articles

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Stable gastric pentadecapeptide BPC 157: novel therapy in gastrointestinal tract.

Cysteamine-colon and cysteamine-**duodenum** lesions in rats.

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esophagus, **stomach**, **duodenum**, intestine, liver and pancreas **lesions**. ... dopamine and 5-HT system), the NO-system (either **L-arginine** and **L-NAME** ...

Pentadecapeptide BPC 157 Reduces Bleeding and ... - PLOS

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by M Stupnisek - 2015 - Cited by 16 - Related articles

Apr 21, 2015 - Background **BPC 157** is a **stable gastric pentadecapeptide** recently

implicated ... Treatment includes **BPC 157**, **L-NAME**, **L-arginine**, per se and their

combination. ... (1-des-Gly peptide was the **main** impurity; manufactured by Diagen,

BPC 157+L-NAME+L-arginine-rats after amputation only, or heparin or ...

Stable gastric pentadecapeptide BPC 157 in the treatment of colitis ...

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Methods: Medication [**BPC 157**, **L-NAME**, **L-arginine** (alone/combined), ... **vein**, 3 arcade vessels within ligated segment), in IC-, IC + RL-, IC + OB-**rats**, BPC 4 (dorsal colon side before the initiation of **therapy**, USB microscope camera).

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2017年12月28日 - Medication [BPC 157, L-NAME, L-arginine (alone/combined), saline] was ... anti-ulcer peptide stable gastric pentadecapeptide BPC 157, which has been ... insights into ischemic colitis (IC), ischemia and reperfusion and therapy. ... after a segment of left colic artery and vein was occluded by two ligations.

Stable gastric pentadecapeptide BPC 157 in the treatment of colitis ...

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[Effects of Pentadecapeptide BPC 157 on Experimental Rat Model of ...](#)

https://www.fasebj.org/doi/abs/10.1096/fasebj.31.1_supplement.993.3 - 翻译此页

作者: T Kralj - 2017

Skip main navigationClose Drawer MenuOpen Drawer Menu Home ... We hypothesize the stable gastric pentadecapeptide BPC 157 as a therapy of ... effect of L-NAME and L-arginine and atropine-induced mydriasis in rats and ... Now, we demonstrated that pentadecapeptide BPC 157 counteracts dry eye lesions in rats.