Accepted Manuscript

Title: Protective effect of exendin-4 treatment on erectile dysfunction induced by chronic methylglyoxal administration in rats

Authors: Selvinaz Dalaklioglu, Arda Tasatargil, Nilay Kuscu, Soner Celik, Ciler Celik-Ozenci, Sebahat Ozdem, Ayse Barutcigil, Ikbal Kucukcetin

PII: S0196-9781(18)30103-7

DOI: https://doi.org/10.1016/j.peptides.2018.05.005

Reference: PEP 69972

To appear in: Peptides

Received date: 17-4-2018 Revised date: 4-5-2018 Accepted date: 10-5-2018

Please cite this article as: Dalaklioglu Selvinaz, Tasatargil Arda, Kuscu Nilay, Celik Soner, Celik-Ozenci Ciler, Ozdem Sebahat, Barutcigil Ayse, Kucukcetin Ikbal.Protective effect of exendin-4 treatment on erectile dysfunction induced by chronic methylglyoxal administration in rats.*Peptides* (2018), https://doi.org/10.1016/j.peptides.2018.05.005

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Protective effect of exendin-4 treatment on erectile dysfunction induced by chronic

methylglyoxal administration in rats

Selvinaz Dalaklioglu¹, Arda Tasatargil¹, Nilay Kuscu², Soner Celik², Ciler Celik-Ozenci²,

Sebahat Ozdem³, Ayse Barutcigil¹, Ikbal Kucukcetin³

¹Akdeniz University, Medical Faculty, Department of Pharmacology, 07070, Antalya,

TURKEY

² Akdeniz University, Medical Faculty, Department of Histology and Embryology, 07070,

Antalya, TURKEY

³ Akdeniz University, Medical Faculty, Department of Biochemistry, 07070, Antalya,

TURKEY

Corresponding Author: Selvinaz Dalaklioglu, M.D.

Akdeniz University, Medical Faculty,

Department of Pharmacology,

07070, Antalya, TURKEY

Phone: +90 242 2496919

Fax: +90 242 2274482

e-mail: stasatargil@akdeniz.edu.tr

Highlights

The aim of this study was to investigate the effect of exendin-4 treatment on

diminished corpus cavernosum (CC) function associated with chronic methylglyoxal

(MGO) administration. Exendin-4 treatment improves NO-mediated CC relaxations of

MGO administered rats probably by inhibiting NADPH oxidase.

1

Download English Version:

https://daneshyari.com/en/article/8347237

Download Persian Version:

https://daneshyari.com/article/8347237

<u>Daneshyari.com</u>