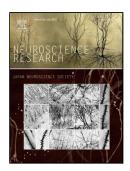
#### Accepted Manuscript

Title: The protective effect of 2-(2-benzonfu-ranyl)-2-imidazoline against oxygen-glucose deprivation in cultured rat cortical astrocytes

Authors: Jisha Tian, Rui Chen, Lan Hu, Linglei Zhang, Jiaou Chen, Yungang Cao, Xiaoling Guo, Longqing Wang, Zhao Han



PII:	S0168-0102(17)30393-0
DOI:	https://doi.org/10.1016/j.neures.2017.10.010
Reference:	NSR 4111
To appear in:	Neuroscience Research
Received date:	26-6-2017
Revised date:	8-10-2017
Accepted date:	20-10-2017

Please cite this article as: Tian, Jisha, Chen, Rui, Hu, Lan, Zhang, Linglei, Chen, Jiaou, Cao, Yungang, Guo, Xiaoling, Wang, Longqing, Han, Zhao, The protective effect of 2-(2-benzonfu-ranyl)-2-imidazoline against oxygen-glucose deprivation in cultured rat cortical astrocytes.Neuroscience Research https://doi.org/10.1016/j.neures.2017.10.010

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.

### ACCEPTED MANUSCRIPT

# The protective effect of 2-(2-benzonfu-ranyl)-2-imidazoline against oxygen-glucose deprivation in cultured rat cortical astrocytes

Running title: 2BFI protects against oxygen-glucose deprivation

Jisha Tian<sup>1, 2#</sup>, Rui Chen<sup>1#</sup>, Lan Hu<sup>3</sup>, Linglei Zhang<sup>2</sup>, Jiaou Chen<sup>2</sup>, Yungang Cao<sup>2</sup>, Xiaoling Guo<sup>2</sup>, Longqing Wang<sup>4</sup>, Zhao Han<sup>2\*</sup>

- 1 Department of Neurology, The Second Hospital of Huaian, Huaian, Jiangsu province, 223002, China
- 2 Department of Neurology, The Second Affiliate Hospital and Yuying Children's Hospital of Wenzhou Medical University, Wenzhou, Zhejiang province, 325027, China
- 3 Department of Neurology, The First People's Hospital of Wujiang, Suzhou, Jiangsu province,215200, China
- 4 Department of Clinical Medicine, Xuzhou Medical University, Xuzhou, Jiangsu province, 221000, China

#These authors contributed equally to this work.

\*Corresponding author

Correspondence to: Dr. Zhao Han, Department of Neurology, The Second Affiliated Hospital and

Yuying Children's Hospital of Wenzhou Medical University, Wenzhou, Zhejiang Province, 325000, China

Tel.: 86 577 8800 2063

Fax: 86 577 8800 2053

Email: wzhanzhao@aliyun.com

### Highlights

- 2-BFI has a neuroprotective effect against ischemic astrocyte injury at a suitable dose.
- 2-BFI can exerts an anti-lipid oxidation effect, stabilize the MMP, decrease apoptotic protein release and inhibit apoptosis.

Download English Version:

## https://daneshyari.com/en/article/8842042

Download Persian Version:

https://daneshyari.com/article/8842042

Daneshyari.com