

Accepted Manuscript

Dimethyl fumarate attenuates 6-OHDA-induced neurotoxicity in SH-SY5Y cells and in animal model of Parkinson's disease by enhancing Nrf2 activity

Xu Jing, Huanying Shi, Chunxia Zhang, Manru Ren, Minxing Han, Xinbing Wei, Xiumei Zhang, Haiyan Lou

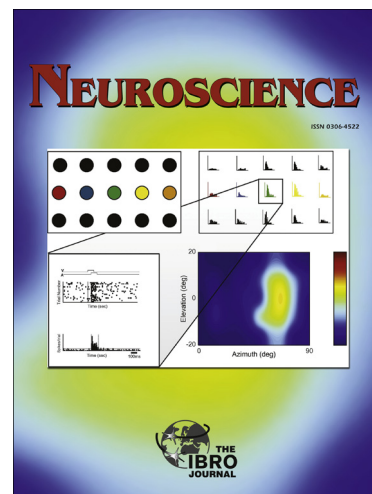
PII: S0306-4522(14)01015-X

DOI: <http://dx.doi.org/10.1016/j.neuroscience.2014.11.047>

Reference: NSC 15880

To appear in: *Neuroscience*

Accepted Date: 19 November 2014



Please cite this article as: X. Jing, H. Shi, C. Zhang, M. Ren, M. Han, X. Wei, X. Zhang, H. Lou, Dimethyl fumarate attenuates 6-OHDA-induced neurotoxicity in SH-SY5Y cells and in animal model of Parkinson's disease by enhancing Nrf2 activity, *Neuroscience* (2014), doi: <http://dx.doi.org/10.1016/j.neuroscience.2014.11.047>

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.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65

**Dimethyl fumarate attenuates 6-OHDA-induced neurotoxicity in
SH-SY5Y cells and in animal model of Parkinson's disease by enhancing
Nrf2 activity**

Xu Jing^{a, 1, 2}, Huanying Shi^{a, 1}, Chunxia Zhang^b, Manru Ren^a, Minxing Han^a, Xinbing Wei^a, Xiumei Zhang^a,

Haiyan Lou^a

^a *Department of Pharmacology, School of Medicine, Shandong University, Jinan 250012, China*

^b *Department of Pharmacy, Jinan women and children's hospital, Jinan 250012, China*

***Correspondence to:** Dr. Haiyan Lou, Department of Pharmacology, School of Medicine, Shandong University, No. 44 Wenhua Xi Road, Jinan, Shandong Province, China. Tel.: +86 531 88382605. Email: louhaiyan@sdu.edu.cn.

¹ The first two authors contribute equally to this work

² Present address: Department of Neurobiology, Shandong Provincial Key Laboratory of Mental Disorders, School of Medicine, Shandong University, Jinan 250012, China

Download English Version:

<https://daneshyari.com/en/article/6273103>

Download Persian Version:

<https://daneshyari.com/article/6273103>

[Daneshyari.com](https://daneshyari.com)