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Neuroprotective effects of oral gallic acid against oxidative stress induced by 6-hydroxydopamine in rats

Mohammad Taghi Mansouri, Yaghoub Farbood, Maryam Jafar Sameri, Alireza Sarkaki, Bahareh Naghizadeh, Maryam Rafeirad

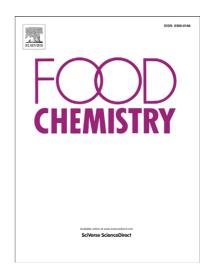
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ACCEPTED MANUSCRIPT

Neuroprotective effects of oral gallic acid against oxidative stress induced by 6-

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**Running title:** 

Effect of gallic acid on cerebral oxidative stress induced by 6-OHDA

**Abbreviations:** 

Gallic acid, GA; 6-hydroxydopamine, 6-OHDA; Parkinson's disease, PD; Medial

forebrain bundle, MFB; Glutathione peroxidase, GPx; Substantia nigra pars compacta,

SNc; Dopamine, DA; Reactive oxygen species, ROS; Lipid peroxidation, LPO;

Malondialdehyde, MDA; 2,2'-dinitro-5,5'-dithiodibenzoic acid, DTNB; Hydrogen

peroxide, H<sub>2</sub>O<sub>2</sub>; Reduced glutathione, GSH; Thiobarbituric acid reactive substrate,

**TBARS** 

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