# Author's Accepted Manuscript

Ginkgo biloba L. attenuates spontaneous recurrent seizures and associated neurological conditions in lithium-pilocarpine rat model of temporal lobe epilepsy through inhibition of mammalian target of rapamycin pathway hyperactivation

Arindam Ghosh Mazumder, Pallavi Sharma, Vikram Patial, Damanpreet Singh



PII: S0378-8741(16)32448-5

DOI: http://dx.doi.org/10.1016/j.jep.2017.03.060

Reference: JEP10813

To appear in: Journal of Ethnopharmacology

Received date: 19 December 2016 Revised date: 19 March 2017 Accepted date: 23 March 2017

Cite this article as: Arindam Ghosh Mazumder, Pallavi Sharma, Vikram Patia and Damanpreet Singh, *Ginkgo biloba* L. attenuates spontaneous recurrer seizures and associated neurological conditions in lithium-pilocarpine rat mode of temporal lobe epilepsy through inhibition of mammalian target of rapamyci pathway hyperactivation, *Journal of Ethnopharmacology* http://dx.doi.org/10.1016/j.jep.2017.03.060

This is a PDF file of an unedited manuscript that has been accepted fo publication. As a service to our customers we are providing this early version o the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable 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**

Ginkgo biloba L. attenuates spontaneous recurrent seizures and associated neurological conditions in lithium-pilocarpine rat model of temporal lobe epilepsy through inhibition of mammalian target of rapamycin pathway hyperactivation

Arindam Ghosh Mazumder<sup>1,2</sup>, Pallavi Sharma<sup>1</sup>, Vikram Patial<sup>1,2</sup>, Damanpreet Singh<sup>1,2\*</sup>

<sup>1</sup>Pharmacology and Toxicology Laboratory, CSIR-Institute of Himalayan Bioresource Technology, Palampur-176061, Himachal Pradesh, India

<sup>2</sup>Academy of Scientific and Innovative Research (AcSIR), CSIR-Institute of Himalayan Bioresource Technology, Palampur-176061, Himachal Pradesh, India

dsinghpharmacology@gmail.com, damanpreet@ihbt.res.in

\*Corresponding author. Dr. Damanpreet Singh, Pharmacology and Toxicology Laboratory, CSIR-Institute of Himalayan Bioresource Technology, Palampur-176061, Himachal Pradesh, India, Tel: +91-9417923132

#### **Abstract**

#### **Ethnopharmacological relevance**:

Ginkgo biloba L. (Ginkgoaceae) has been widely used in traditional medicine for variety of neurological conditions particularly behavioral and memory impairments.

#### Aim of the study:

The present study was envisaged to explore the effect of a standardized fraction of *Ginkgo biloba* leaves (*GBbf*) in rat model of lithium-pilocarpine induced spontaneous recurrent seizures, and associated behavioral impairments and cognitive deficit.

#### **Materials and Methods:**

### Download English Version:

# https://daneshyari.com/en/article/5556248

Download Persian Version:

https://daneshyari.com/article/5556248

<u>Daneshyari.com</u>