

Traditional use and biological activity of *Plectranthus madagascariensis* and its varieties: a review

Abbreviations

6-BA: 6-Benzyladenine

ABTS: Ascorbic acid, 2,2'-azino-bis(3-ethylbenzothiazoline-6-sulfonic acid) diammonium salt

Ach: Acetylcholine

AChE: Acetylcholinesterase

AD: Alzheimer's Disease

ADH: Alcohol Dehydrogenase

AFM: Atomic force microscopy

ALDH: Aldehyde Aehydrogenase

ATCC: American Type Culture Collection

BuChE: Butyrylcholinesterase

Ca²⁺: Calcium

Ca-ALG: Calcium Alginate

ChiPS: Chitosan-Coated Phytosomes

DHR: 6,7-dehydroroyleanone

DPPH: 2,2-diphenyl-1-picrylhydrazyl

FI₅₀: Fifty Percent Feeding Index

FRAP: Ferric-Reducing Antioxidant Power

GC-MS: Gas chromatography-mass spectrometry

GI₅₀: Fifty Percent Growth Inhibitory Concentration

GLUT-4: Glucose Transporter Type 4

HFD: High fat diet

HPLC-DAD: High-Performance Liquid Chromatography with a Diode Array Detector

IBA: Indole-3-Butyric Acid

IC₅₀: Fifty Percent Inhibitory Concentration

LC₅₀: Fifty Percent Lethal Concentration

MBC: Minimum Bactericidal Activity

MDR: Multidrug-Resistant

MIC: Minimum Inhibitory Concentration

MRSA: Methicillin-Resistant *Staphylococcus aureus*

MS medium: Murashige and Skoog medium

MSSA: Methicillin-Sensitive *Staphylococcus aureus*

NAA: 1-Naphthaleneacetic acid

NMR: Nuclear magnetic resonance

NO: Nitric Oxide

PDI: Polydispersity Index

PEPCK: Phosphoenolpyruvate Carboxykinase

RES: Reticuloendothelial system

SLS: Sodium Laureth Sulfate

STZ: Streptozocin