HERBAL MEDICINE EXTRACTS RM01 AND USES AND METHODS OF PREPARATION THEREOF

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This application claims priority to U.S. provisional application 63/410,388, filed on September 27, 2022, the content of which is incorporated by reference in its entirety for all purposes.

FIELD OF THE INVENTION

[0002] The present invention relates to the field of herbal medicine and herbal extract composition. In particular, the present invention relates to processed herbal compositions (such as an extract) RM01 comprising *Ophiopogon Japonicus, Barbary Wolfberry, Rhizoma Acori Tatarinowii , and Codonopsis Pilosula*, and their use in treating a neurodegenerative disease (e.g., Alzheimer's disease) and improving cognition or memory.

BACKGROUND

[0003] In the United States there are currently 6.2 million individuals with Alzheimer's disease (AD). In addition to these with AD in the dementia stages, there are about 10 million individuals with mild cognitive impairment (MCI) (Cummings J et al, Translational Research & Clinical Interventions, 2022). In Alzheimer's disease, the main presenting symptoms are memory loss, difficulty completing familiar tasks, confusion with time or place and challenges in planning or solving problems et al. (Alzheimer's Association). There is no cure for Alzheimer's disease nowadays. A total of 6 drugs were approved by FDA so far, including Aducanumab, which was approved by FDA for the treatment of mild to moderate Alzheimer's disease in 2021. All of the treatments only slow down the Alzheimer's progress but failed to clearly stop progression. The need for therapy to prevent and improve the symptoms of Alzheimer's disease is compelled by the rising number of affected individuals and the growing public health crisis posed by the cost of caring for all the world.

[0004] All references described herein are incorporated by reference in their entirety.

BRIEF SUMMARY OF THE INVENTION

[0004a] In an aspect, the present invention provides a use of a herbal extract composition "RM01" comprising an extract of a mixture comprising Ophiopogon Japonicus, Barbary Wolfberry, Rhizoma

Acori Tatarinowii and Codonopsis Pilosula for the manufacture of a medicament for treating a neurodegenerative disease or condition in an individual.

[0005] In some embodiments, there is provided a method of treating a neurodegenerative disease or condition in an individual, comprising administering to the individual a herbal extract composition