

TABLE 8.1 (CONTINUED)
Report on Medicinal Plants and Their Action against Alzheimer's Disease

S. No.	Plant	Classification	Results	References
40	<i>Polygala tenuifolia</i>	Kingdom: Plantae Division: Magnoliophyta Class: Magnoliopsida Order: Fabales Family: Polygalaceae Genus: <i>Polygala</i> Species: <i>tenuifolia</i>	Upregulated ChAT activity increased NGF secretion <i>in vitro</i> . <i>P. tenuifolia</i> , and also demonstrated <i>in vitro</i> AChE inhibitory activity.	Park et al. 2002
41	<i>Poncirus trifoliata</i>	Kingdom: Plantae Division: Magnoliophyta Class: Magnoliopsida Order: Sapindales Family: Rutaceae Genus: <i>Poncirus</i> Species: <i>trifoliata</i>	Contains naturally occurring AChE inhibitors which increase the acetylcholine level and thereby boost cholinergic neuronal transmission. It helps in cognitive performance and signal transduction in nerve cells.	Kim et al. 2009
42	<i>Prunella vulgaris</i>	Kingdom: Plantae Division: Magnoliophyta Class: Magnoliopsida Order: Lamiales Family: Lamiaceae Genus: <i>Prunella</i> Species: <i>vulgaris</i>	Used to treat inflammation, eye pain, headaches and dizziness. Contains several compounds like oleic acid, ursolic acid, butyric acid, flavonoids and rosmarinic acid, and also possesses anti-allergic, anti-inflammatory, antioxidant, antimicrobial and antiviral activity. Helps in memory and learning by increasing cholinergic neurotransmitters and methyl-D-aspartate receptor signaling.	Lamaison et al. 1991; Psoťová et al. 2009; Park et al. 2010

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