

**Table S1.** List of Phytochemicals retrieved from Dr. Duke's Phytochemical and Ethnobotanical databases [39] with reported anti-acetylcholinesterase activity.

Phytochemical		Phytochemical	
1	(-)-Borneol	22	$\gamma$ -Terpinene
2	(-)-Menthol	23	Huperzine-A
3	(-)-Menthone	24	Isomenthol
4	(-)-Piperitone	25	Isomenthone
5	(-)-Terpinen-4-Ol	26	Isopulegol
6	(+)-Menthol	27	L-Carvone
7	(+)-Piperitenone-Oxide	28	Limonene
8	(+)-Pulegone	29	Linalool
9	(+)-Terpinen-4-Ol	30	L-Limonene
10	1,8-Cineole	31	L-Menthol
11	Akuammicine	32	Menthol
12	Akuammidine	33	Menthone
13	$\alpha$ -Terpinene	34	Naringenin
14	Berberastine	35	P-Cymene
15	Berberine	36	Piperitenone
16	Carvone	37	Pulegone
17	Chelerythrine	38	Sanguinarine
18	D-Carvone	39	Terpinen-4-Ol
19	D-Limonene	40	Viridiflorol
20	Elemol	41	Yohimbine
21	Galantamine		