

Table S1. Percent DPPH and ABTS free radical scavenging activity of genotypes of *Z. nummularia* at various concentrations

S.No	Genotypes	Concentration ($\mu\text{g/mL}$)	% DPPH Scavenging Mean $\pm$ SEM	IC ₅₀ $\mu\text{g/ml}$	% ABTS Scavenging Mean $\pm$ SEM	IC ₅₀ $\mu\text{g/ml}$
1	ZNP01	250	84.62 $\pm$ 0.47	8.57	77.38 $\pm$ 1.41	7.08
		125	73.37 $\pm$ 0.48		73.07 $\pm$ 0.18	
		62.5	68.68 $\pm$ 0.76		68.68 $\pm$ 0.76	
		31.25	64.74 $\pm$ 1.15		63.74 $\pm$ 1.15	
		15.625	57.31 $\pm$ 1.02		55.21 $\pm$ 0.76	
		7.812	49.05 $\pm$ 0.62		50.03 $\pm$ 1.10	
2	ZNP02	250	83.00 $\pm$ 0.51	7.79	81.77 $\pm$ 0.48	7.93
		125	78.96 $\pm$ 1.22		76.59 $\pm$ 0.59	
		62.5	73.70 $\pm$ 0.35		71.49 $\pm$ 0.42	
		31.25	67.03 $\pm$ 1.04		65.31 $\pm$ 1.74	
		15.625	56.21 $\pm$ 1.13		54.03 $\pm$ 0.84	
		7.812	49.56 $\pm$ 0.92		48.87 $\pm$ 1.89	
3	ZNP03	250	78.37 $\pm$ 0.23	16.22	73.93 $\pm$ 0.96	22.18
		125	72.25 $\pm$ 0.86		65.09 $\pm$ 0.58	
		62.5	65.29 $\pm$ 1.03		61.43 $\pm$ 1.39	
		31.05	59.06 $\pm$ 0.58		55.48 $\pm$ 0.76	
		15.625	48.40 $\pm$ 1.09		46.21 $\pm$ 0.52	
4	ZNP04	250	80.99 $\pm$ 1.02	11.52	78.97 $\pm$ 0.48	13.35
		125	74.71 $\pm$ 0.14		72.10 $\pm$ 0.58	
		62.5	69.26 $\pm$ 0.13		66.16 $\pm$ 1.43	
		31.05	62.66 $\pm$ 0.28		61.96 $\pm$ 0.29	
		15.625	52.78 $\pm$ 1.37		51.87 $\pm$ 0.18	
		7.812	42.07 $\pm$ 0.76		43.15 $\pm$ 0.21	

5	ZNP05	250	75.24 ± 1.28	21.48	71.28 ± 0.22	20.34
		125	68.36 ± 0.83		66.07 ± 1.07	
		62.5	62.22 ± 0.16		61.11 ± 1.98	
		31.05	56.03 ± 0.53		54.55 ± 0.32	
		15.625	45.09 ± 1.13		46.52 ± 0.64	
6	ZNP06	250	80.86 ± 0.57	7.79	79.70 ± 0.93	15.05
		125	75.87 ± 1.05		74.94 ± 0.28	
		62.5	68.23 ± 0.11		66.56 ± 0.38	
		31.25	62.77 ± 0.28		61.88 ± 0.44	
		15.625	55.68 ± 1.02		50.77 ± 0.57	
7	Ascorbic acid	250	85.96 ± 0.29	10.86	82.91 ± 0.46	9.88
		125	79.10 ± 0.57		76.74 ± 0.49	
		62.5	73.48 ± 0.76		71.61 ± 0.81	
		31.25	68.70 ± 0.47		66.43 ± 0.73	
		15.625	53.19 ± 1.09		55.50 ± 0.60	
		7.812	47.07 ± 0.98		46.07 ± 0.66	

Table S2. AChE and BChE inhibitory potentials of different genotypes of *Z. nummularia* at various concentrations

S.No	Genotypes	Concentration ($\mu\text{g/mL}$)	% AChE Scavenging Mean $\pm$ SEM	AChE IC ₅₀ ($\mu\text{g/mL}$)	% BChE Scavenging Mean $\pm$ SEM	BChE IC ₅₀ ($\mu\text{g/mL}$)
1	ZNP01	500	82.68 $\pm$ 0.93	21.19	79.57 $\pm$ 0.60	22.76
		250	76.03 $\pm$ 0.31		73.54 $\pm$ 0.14	
		125	69.83 $\pm$ 0.45		66.69 $\pm$ 0.07	
		62.5	62.77 $\pm$ 1.52		61.55 $\pm$ 0.53	
		31.25	55.42 $\pm$ 0.44		52.15 $\pm$ 1.36	
		15.625	45.57 $\pm$ 0.72		46.42 $\pm$ 1.08	
2	ZNP02	500	74.78 $\pm$ 0.38	20.52	71.42 $\pm$ 0.43	24.54
		250	67.55 $\pm$ 0.34		64.77 $\pm$ 1.52	
		125	62.83 $\pm$ 0.29		60.68 $\pm$ 0.12	
		62.5	57.57 $\pm$ 1.43		56.48 $\pm$ 0.11	
		31.25	53.12 $\pm$ 0.40		52.16 $\pm$ 1.16	
		15.625	46.12 $\pm$ 0.62		45.03 $\pm$ 1.31	
3	ZNP03	500	75.12 $\pm$ 1.09	30.07	76.54 $\pm$ 0.18	48.16
		250	69.15 $\pm$ 0.31		71.59 $\pm$ 0.50	
		125	63.95 $\pm$ 0.72		64.54 $\pm$ 1.35	
		62.5	57.36 $\pm$ 0.51		59.21 $\pm$ 0.34	
		31.25	51.04 $\pm$ 1.48		45.88 $\pm$ 0.28	
4	ZNP04	1000	84.55 $\pm$ 1.55	23.68	78.79 $\pm$ 0.17	33.13
		500	76.52 $\pm$ 0.73		72.48 $\pm$ 0.78	
		250	69.16 $\pm$ 0.55		67.86 $\pm$ 1.43	
		125	62.12 $\pm$ 0.34		61.62 $\pm$ 0.37	
		62.5	56.99 $\pm$ 0.31		55.10 $\pm$ 0.40	
		31.25	52.22 $\pm$ 2.76		48.24 $\pm$ 0.43	

5	ZNP05	1000	85.37 ± 0.08	34.42	81.62 ± 0.79	55.44
		500	79.65 ± 0.44		75.27 ± 2.88	
		250	72.35 ± 1.42		70.96 ± 0.09	
		125	65.21 ± 0.39		66.76 ± 0.80	
		62.5	59.66 ± 0.78		57.40 ± 0.04	
		31.25	48.54 ± 1.23		43.69 ± 1.16	
6	ZNP06	1000	81.24 ± 0.15		76.66 ± 1.50	38.82
		500	75.74 ± 1.18	35.01	69.98 ± 0.44	
		250	71.55 ± 0.68		63.54 ± 1.35	
		125	65.89 ± 0.51		56.36 ± 0.32	
		62.5	58.26 ± 0.34		51.01 ± 1.29	
		31.25	49.78 ± 1.47		46.74 ± 0.27	
7	Galantamine	500	85.74 ± 0.27		79.80 ± 0.36	20.76
		250	79.68 ± 0.18	12.69	73.65 ± 0.28	
		125	73.49 ± 0.20		65.42 ± 0.79	
		62.5	67.66 ± 0.35		61.68 ± 0.07	
		31.25	61.42 ± 0.79		55.69 ± 0.12	
		15.625	53.70 ± 0.25		48.42 ± 0.31	