Table 1: Effect of Antia on mean escape latency (MEL) in Morris water maze in ICV-STZ injected mice

Parameters / Groups	MEL (s)			
	Day 1	**Day 2**	**Day 3**	**Day 4**
Normal	110.20±3.56	40.40±1.56	27.66±1.35	19.92±1.82
STZ model (3mg/kg, i.c.v)	111.91±2.86	64.76*±2.11	70.58*±2.06	78.46*±1.74
Antia (25mg/kg)	109.21±2.98	45.32@±1.57	32.24@±1.96	23.39@±1.14
Antia (50mg/kg)	108.23±3.44	44.23@±1.41	31.45@±2.11	21.31@±1.52
Antia (100mg/kg)	107.54±2.81	43.45@±1.23	30.62@±1.97	21.77@±1.16

A single intracerebroventricular injection of streptozotocin (STZ) (3mg/kg) was used for indction of sporadic alzheimer's disease (SAD) in mice. Antia is injected in 3 doses (25, 50 and 100 mg/kg/day, i.p.) for 21 days. Neurobehavioural tests were carried out within 24h after the last day of injection.

Statistical analysis was carried out by one-way ANOVA followed by Tukey's multiple comparaison test.

Each value represents the mean of 12 mice ± S.E.

* Significantly different from normal group at $p<0.05$

@ Significantly different from ICV-STZ group at $p<0.05$

Table 2: Effect of Antia on time spent in target quadrant in Morris water maze in ICV-STZ injected mice

Parameters / Groups	Time spent in target quadrant (s)
Normal	23.64±0.82
STZ model (3mg/kg, i.c.v)	6.12±0.42
Antia (25mg/kg)	17.42±0.67
Antia (50mg/kg)	18.23±0.45
Antia (100mg/kg)	20.54±0.74

A single intracerebroventricular injection of streptozotocin (STZ) (3mg/kg) was used for indction of sporadic alzheimer's disease (SAD) in mice. Antia is injected in 3 doses (25, 50 and 100 mg/kg/day, i.p.) for 21 days. Neurobehavioural tests were carried out within 24h after the last day of injection.

Statistical analysis was carried out by one-way ANOVA followed by Tukey's multiple comparaison test.

Each value represents the mean of 12 mice ± S.E.

* Significantly different from normal group at $p<0.05$

@ Significantly different from ICV-STZ group at $p<0.05$

Table 3: Effect of Antia on cognitive function of ICV-STZ injected mice in the novel object recognition test

Parameters / Groups	Discrimination index	Preference index
Normal	0.475±0.109	0.63±0.14
STZ model (3mg/kg, i.c.v)	-0.340*±0.151	0.231*±0.09
Antia (25mg/kg)	0.421@±0.122	0.59@±0.126
Antia (50mg/kg)	0.457@±0.134	0.62@±0.129
Antia (100mg/kg)	0.547@±0.121	0.69@±0.14

A single intracerebroventricular injection of streptozotocin (STZ) (3mg/kg) was used for indction of sporadic alzheimer's disease (SAD) in mice. Antia is injected in 3 doses (25, 50 and 100 mg/kg/day, i.p.) for 21 days. Neurobehavioural tests were carried out within 24h after the last day of injection.

Statistical analysis was carried out by one-way ANOVA followed by Tukey's multiple comparaison test.

Each value represents the mean of 12 mice ± S.E.

* Significantly different from normal group at $p<0.05$

@ Significantly different from ICV-STZ group at $p<0.05$