

Supplementary Table 1

Dopamine and its metabolites	Vehicle	Sericin	ratio	P-Value
Cerebral cortex				
DA	1943.44±154.08	1731.28±127.96	0.89	N.S.
DOPAC	180.34±16.46	159.11±13.48	0.88	N.S.
3-MT	162.67±11.25	145.5±9.77	0.89	N.S.
HVA	358.47±27.23	317.07±18.93	0.88	N.S.
DA Turnover	0.36±0	0.36±0.01	1	N.S.
Hippocampus				
DA	41.27±9.71	34.81±4.09	0.84	N.S.
DOPAC	N.A.	N.A.		
3-MT	N.A.	N.A.		
HVA	55.71±4.34	48.61±2.19	0.87	N.S.
DA Turnover	1.82±0.21	1.78±0.17	0.98	N.S.
Cerebellum				
DA	12.51±1.71	12.95±1.72	1.04	N.S.
DOPAC	8.27±1.14	6.18±0.84	0.75	N.S.
3-MT	N.A.	N.A.		
HVA	29.39±3.31	22.64±2.21	0.77	N.S.
DA Turnover	3.16±0.37	2.27±0.13*	0.72	0.0396

Contents of DA, its metabolites and DA turnover [(DOPAC+3-MT+HVA)/DA] in the cerebral cortex, hippocampus, and cerebellum were determined 60 min after oral administration. Values are the means $\pm$ SEM (n = 4 – 6). Difference between vehicle and sericin administrated groups were analyzed by Student's t-test. *p < 0.05 .

Supplementary Table 2

Dopamine and its metabolites	Vehicle	Sericin	ratio	P-Value
Cerebral cortex				
DA	1904.54±62.82	1955.89±48.81	1.03	N.S.
DOPAC	167.24±2.63	156±3.18*	0.93	0.0393
3-MT	159.04±4.18	157.92±9.22	0.99	N.S.
HVA	315.97±4.25	294.66±5.4*	0.93	0.0234
DA Turnover	0.34±0.01	0.31±0#	0.92	0.0911
Hippocampus				
DA	31.48±4.74	36.3±3.36	1.15	N.S.
DOPAC	N.A.	N.A.		
3-MT	N.A.	N.A.		
HVA	47.42±5.42	48.28±5.68	1.02	N.S.
DA Turnover	1.82±0.24	1.67±0.16	0.92	N.S.
Cerebellum				
DA	12.59±1.17	14.06±2.03	1.12	N.S.
DOPAC	5.95±0.61	7.08±1.57	1.19	N.S.
3-MT	N.A.	N.A.		
HVA	21.03±1.52	23±3.47	1.09	N.S.
DA Turnover	2.23±0.29	2.17±0.17	0.97	N.S.

Contents of DA, its metabolites and DA turnover [(DOPAC+3-MT+HVA)/DA] in the cerebral cortex, hippocampus, and cerebellum were determined 90 min after oral administration. Values are the means $\pm$ SEM (n = 4 – 6). Difference between vehicle and sericin administrated groups were analyzed by Student's t-test. *p < 0.05 .