

Supp. Table1. The datasets of Shuttle Box test

A

CUMS				
Normal	Veh	Dios10	Dios20	Dios40
34	3.45	18.18	60	42.42
32	8.2	21.52	12.2	46.47
31	16.3	60	47.84	30.1
46	12.09	22.91	28.02	60
55	11.14	60	60	42.08
28	25.1	31.81	24.35	42.4

B

Normal			
Veh	Dios10	Dios20	Dios40
34	28.18	50	50.42
32	30.52	22.2	46.47
31	45	47.84	35.1
46	32.91	38.02	50
55	55	50	42.08
28	31.81	44.35	40.4

Secondary latency (T2) on passive avoidance memory in shuttle box test in CUMS conditions (A) and in non-stressful conditions (B). Normal: Healthy group. Veh: Diosmetin solvent received group. Dios: Diosmetin received group (10, 20, 40 mg/kg).

Supp. Table 2. The datasets of Novel Object test

A

T2				
CUMS				
Normal	Veh	Dios10	Dios20	Dios40
88.11	43.89	77.32	88.11	91.16
63	41.68	99.11	98.21	101.13
66	42.77	91.18	55.39	156
88	52.92	80	88.19	139
73	55.89	53.19	101	145
101	38	88.17	78.21	188

B

T2			
Normal			
Veh	Dios10	Dios20	Dios40
88.11	102.16	102.16	102.16
63	115.13	121.13	121.13
66	116	146	156
88	139	127	139
73	105	105	155
101	88	140	188

C

Recognition Index				
CUMS				
Normal	Veh	Dios10	Dios20	Dios40
0.590563	0.306923	0.743462	0.778082	0.856204
0.765483	0.320615	0.883176	0.794322	0.892507
0.669794	0.279543	0.75775	0.586138	0.917647
0.594172	0.315	0.706714	0.870497	0.91986
0.52259	0.388125	0.814548	0.892936	0.872916
0.695838	0.357716	0.844945	0.886634	0.925561

D

Recognition Index			
Normal			
Veh	Dios10	Dios20	Dios40
0.590563	0.756204	0.806204	0.896204
0.765483	0.892507	0.812507	0.892507
0.669794	0.610647	0.717647	0.987647
0.594172	0.51986	0.91986	0.91986
0.52259	0.772916	0.772916	0.872916
0.695838	0.625561	0.655561	0.925561

The duration of new object recognition (T2) in CUMS condition (A) and in stress-free condition (B). The datasets of recognition index in CUMS condition (C) and in stress-free condition (D) in the novel object test. Normal: Healthy group. Veh: Diosmetin solvent received group. Dios: Diosmetin received group (10, 20, 40 mg/kg).

Supp. Table 3. The datasets of serum Corticosterone level

A

CUMS				
Normal	Veh	Dios10	Dios20	Dios40
22.49	83.17	88.95	60.18	24.33
12.56	93.96	73.147	55.741	28.936
10.91	70.55	53.96	46.952	38.144
23.002	76.542	90.341	67.531	23.982
27.098	52.761	64.067	41.788	58.064

B

Normal			
Veh	Dios10	Dios20	Dios40
22.49	16.87	14.76	4.33
12.56	10.45	9.91	12.66
10.91	9.22	11.61	7.91
23.002	12.004	8.9311	8.428
27.098	12.237	11.437	4.067

Corticosterone level in CUMS condition (A) and stress-free conditions (B). Normal: Healthy group. Veh: Diosmetin solvent received group. Dios: Diosmetin received group (10, 20, 40 mg/kg).

Supp. Table 4. The datasets of Antioxidant Capacity

A

Brain				
CUMS				
Normal	Veh	Dios10	Dios20	Dios40
356	96	231	259	358
398	130	251	275	342
452	88	224	285	333
402	85	254	241	359
400	123	201	264	305
361	62	213	294	330
	98	245	278	345

B

Brain			
Normal			
Veh	Dios10	Dios20	Dios40
356	437	451	546
398	392	347	592
452	333	421	603
402	412	510	512
400	446	509	589
361	412	455	491
	445	413	472

C

Serum				
CUMS				
Normal	Veh	Dios10	Dios20	Dios40
566	231	298	311	451
575	252	259	351	402
599	261	301	317	498
600	270	310	300	431
581	202	288	341	485
531	212	265	318	471
	215	292	325	432

D

Serum			
Normal			
Veh	Dios10	Dios20	Dios40
566	689	616	646
575	598	698	798
599	561	701	711
600	750	514	654
581	680	784	704
531	501	601	841
	575	623	725

Antioxidant capacity of brain tissue in CUMS (A), under stress-free conditions (B), serum antioxidant capacity CUMS conditions (C) and stress-free conditions (D). Normal: Healthy group. Veh: Diosmetin solvent received group. Dios: Diosmetin received group (10, 20, 40 mg/kg).

Supp. Table 5. The datasets of Malondialdehyde level

A

Brain				
CUMS				
Normal	Veh	Dios10	Dios20	Dios40
135	400	196	212	195
165	417	201	228	159
255	428	236	208	180
151	458	215	298	161
188	429	235	224	155
104	431	210	220	215
107	418	298	234	199

B

Brain			
Normal			
Veh	Dios10	Dios20	Dios40
135	110	98	73
165	132	118	65
255	180	105	129
151	109	201	86
188	129	162	155
104	174	115	106
107	169	123	76

C

Serum				
CUMS				
Normal	Veh	Dios10	Dios20	Dios40
209	487	199	236	82
211	463	201	258	114
185	496	201	206	111
188	425	245	237	154
145	479	236	199	89
188	417	254	211	95
	427	301	186	104

D

Serum			
Normal			
Veh	Dios10	Dios20	Dios40
209	99	183	82
211	210	91	114
185	131	83	91
188	116	147	89
145	92	69	72
188	201	166	95
	119	74	104

MDA of hippocampal tissue in CUMS condition (A), in stress-free condition (B), serum MDA levels in CUMS condition (C) and in stress-free condition (D). Normal: Healthy group. Veh: Diosmetin solvent received group. Dios: Diosmetin received group (10, 20, 40 mg/kg).