

Supporting information

Sesamol Ameliorates Dextran Sulfate Sodium-induced Depression-like and Anxiety-like Behaviors in Colitis Mice : The potential involvement of Gut-Brain Axis

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Table S1. The F-value of all data.

Number	Name	F-value
Figure 1E	Histological score	F (2, 21) = 69.01
Figure 1F	TNF- α	F (2, 15) = 51.44
Figure 1F	Il-1 β	F (2, 15) = 56.11
Figure 1I	Claudin 1	F (2, 6) = 94.75
Figure 1H	Claudin 1	F (2, 15) = 59.45
Figure 1J	LPS	F (2, 21) = 16.37
Figure 2A	total traveled distance	F (2, 21) = 22.07
Figure 2A	the percentage of distance	F (2, 21) = 21.35
Figure 2A	the percentage of time spent in center area	F (2, 21) = 13.27
Figure 2B	the percentage of time in open arms	F (2, 21) = 19.86
Figure 2B	the percentage of entries in open arms	F (2, 21) = 8.252
Figure 2C	MBT	F (2, 21) = 39.66
Figure 2D	TST	F (2, 21) = 22.53
Figure 3E	Iba1	F (2, 6) = 106.2
Figure 3E	GFAP	F (2, 6) = 115.8
Figure 4B	Western blot analysis for TLR-4	F (2, 6) = 61.43
Figure 4C	Western blot analysis for p-NF- κ B/NF- κ B	F (2, 6) = 78.40
Figure 4D	Western blot analysis for iNOS	F (2, 6) = 33.53
Figure 4E	Western blot analysis for Cox-2	F (2, 6) = 123.6
Figure 4F	Western blot analysis for p-IK β /IK β	F (2, 6) = 15.08
Figure 4G	The mRNA expression of TLR-4 in the cortex	F (2, 15) = 39.63
Figure 4H	The mRNA expression of iNOS in the cortex	F (2, 15) = 44.81
Figure 4I	The mRNA expression of Cox-2 in the cortex	F (2, 15) = 77.06
Figure 4J	The mRNA expression of TNF- α in the cortex	F (2, 15) = 39.57
Figure 4K	The mRNA expression of Il-6 in the cortex	F (2, 15) = 73.32
Figure 4L	The mRNA expression of Il-1 β in the cortex	F (2, 15) = 37.89
Figure 5A	MDA content in serum	F (2, 12) = 33.23
Figure 5B	MDA content in cortex	F (2, 15) = 23.32
Figure 5C	SOD content in serum	F (2, 12) = 43.69
Figure 5D	SOD content in cortex	F (2, 15) = 32.81
Figure 5E	GSH content in serum	F (2, 12) = 76.95
Figure 5F	GSH content in cortex	F (2, 15) = 39.70
Figure 5H	Nrf2	F (2, 6) = 21.01
Figure 5I	HO-1	F (2, 6) = 8.755
Figure 5J	NQO1	F (2, 6) = 35.94
Figure 5K	The mRNA expression of HO-1 in the cortex	F (2, 15) = 18.11
Figure 5L	The mRNA expression of NQO1 in the cortex	F (2, 15) = 40.31
Figure 6B	BDNF in the CA3 region of hippocampus	F (2, 9) = 13.07
Figure 6B	BDNF in the cortex	F (2, 9) = 15.96
Figure 6C	The mRNA expression of BDNF in the hippocampus	F (2, 15) = 16.96
Figure 6D	The mRNA expression of BDNF in the cortex	F (2, 15) = 50.53

Number	Name	F-value
Figure 6F	BDNF	F (2, 6) = 70.69
Figure 6G	p-TrkB/TrkB	F (2, 6) = 51.67
Figure 6H	p-CREB/CREB	F (2, 6) = 17.15
Figure 7B	The length of PSD	F (2, 15) = 39.69
Figure 7C	The width of PSD	F (2, 15) = 22.65
Figure 7E	PSD-95 in the CA3 region of hippocampus	F (2, 9) = 18.04
Figure 7E	PSD-95 in the cortex	F (2, 9) = 53.92
Figure 7F	The mRNA expression of PSD-95 in the hippocampus	F (2, 15) = 29.28
Figure 7G	The mRNA expression of PSD-95 in the cortex	F (2, 15) = 54.60
Figure 7I	Western blot analysis for PSD-95 in the hippocampus	F (2, 6) = 30.67
Figure 8A	NE content in cortex	F (2, 21) = 30.31
Figure 8B	5-HT content in cortex	F (2, 21) = 25.00
Figure 8C	The mRNA expression of Htr1a in the cortex	F (2, 15) = 14.35
Figure 8D	The mRNA expression of Htr2a in the cortex	F (2, 15) = 58.07
Figure 8F	Western blot analysis for 5-HT1AR	F (2, 6) = 19.76
Figure 8G	Western blot analysis for 5-HT2AR	F (2, 6) = 68.35