Supplementary Table 1. Comparison of Experimental Colitis Groups for Biochemical Characteristics

Parameter	Experimental colitis groups				*P* value
	Control (n = 6)	Acetic Acid (*n* = 6)	St. John's Wort (n = 6)	Olive Oil (*n* = 6)	
MDA (mol/ml) a,b,c	75.5 ± 13.1 76.5 (55.0–95.0)	139.2 ± 19.3 137.5 (110.0–165.0)	92.2 ± 15.6 96.5 (65.0–110.0)	118.3 ± 21.1 115.0 (95.0–150.0)	< .001*
MPO (U/g protein) a,b,d	20 ± 6.7 18.5 (15.0–33.0)	50 ± 9.3 48.5 (38.0–65.0)	36.5 ± 5.1 38.0 (28.0–42.0)	47.8 ± 8.3 47.5 (35.0–60.0)	< .001*
SOD (U/mg protein) a,b,c,d	32.5 ± 2.9 33.5 (28.0–35.0)	10.5 ± 3.4 11.0 (5.0–15.0)	22 ± 3 22.0 (17.0–25.0)	15 ± 4.3 13.5 (11.0–22.0)	< .001*
Catalase (mU/ml) a,b,c,d,e	1408.2 ± 115.6 1388.0 (1245.0–1562.0)	698.3 ± 101.2 726.5 (558.0–799.0)	1114.8 ± 108.3 1113.0 (988.0–1250.0)	838.3 ± 116.4 842.5 (655.0–1002.0)	< .001*
GPx (U/mg protein) b,c	8.9 ± 1.5 9.0 (6.9–11.0)	3.6 ± 1 3.4 (2.5–5.3)	7.3 ± 1.2 7.6 (5.5–9.0)	5.9 ± 1.9 5.2 (3.8–8.9)	< .001*
TNF-α (pg/ml) a,b,c,d,e	29.7 ± 2.9 30.0 (25.0–33.0)	71.5 ± 6.3 70.0 (65.0–80.0)	53.3 ± 6.3 54.0 (42.0–60.0)	65.2 ± 5.8 64.0 (58.0–75.0)	< .001*
IL-6 (pg/ml) a,b,c	97.5 ± 4.6 97.5 (91.0–105.0)	155.7 ± 14.5 155.5 (136.0–175.0)	118.7 ± 9.4 119.0 (109.0–135.0)	136.3 ± 15.2 141.5 (112.0–153.0)	< .001*
Bax (ng/ml) a,b,c,e	3.6 ± 0.8 3.9 (2.4–4.5)	10.2 ± 1.6 9.9 (8.6–13.1)	5.9 ± 0.9 5.8 (4.8–7.2)	9.2 ± 1.3 8.9 (7.9–11.2)	< .001*
Bcl-2 (pg/ml) a,b,c,d	6.9 ± 1 7.1 (5.2–8.2)	1.1 ± 0.9 1.3 (0.1–2.0)	4.3 ± 0.7 4.6 (3.2–5.0)	2.6 ± 1.0 3.0 (1.2–3.5)	< .001*
Caspase-3 (ng/ml) a,b,c,d	3.5 ± 1.1 3.3 (2.1–5.1)	11.2 ± 1.4 11.3 (9.6–13.5)	7.1 ± 1 7.2 (5.9–8.5)	9.4 ± 0.9 9.9 (8.1–10.2)	< .001*

*Data are summarized as mean ± standard deviation, and median (min–max). *P < .05. a, P < .05 for Control and Olive Oil groups; b, P < .05 for Control and Acetic Acid groups; c, P < .05 for Acetic Acid and St. John's Wort groups; d, P < .05 for Control and St. John's Wort groups; e, P < .05 for St. John's Wort and Olive Oil groups*

Supplementary Table 2. Weight and Histological Assessment of Experimental Colitis Groups

Parameter	Experimental colitis groups				*P* value
	Control (n = 6)	Acetic Acid (*n* = 6)	St. John's Wort (n = 6)	Olive Oil (*n* = 6)	
Day 0 weight, g	188.7 ± 20.7 184.5 (169–226)	210.8 ± 15.3 209 (188–230)	194.5 ± 15.5 194 (174–222)	200.5 ± 14.9 204 (180–220)	.161
Day 5 weight, g	194.2 ± 17.1 192 (179–226)	175.5 ± 11.9 177.5 (155–186)	182 ± 14.7 181 (163–207)	185 ± 39 179.5 (144–242)	.583
Percent weight loss (%) a,b,c	3.2 ± 4.3 1.9 (−1–10.3)	−16.7 ± 3.1 −17.4 (−19.7–−11.2)	−6.4 ± 2.6 −6.5 (−10.3–−3.2)	−7.8 ± 17.8 −11.8 (−28.7–16.1)	.014*
Histological assessment score a,b,c,d	0.8 ± 1.7 0.5 (0.0–3.0)	9.3 ± 0.5 9.0 (9.0–10.0)	6.2 ± 1.9 6.0 (3.0–9.0)	8.0 ± 1.1 8.0 (6.0–9.0)	< .001*

*Data are summarized as mean ± standard deviation, and median (min–max). *P < .05 (ANOVA). a, P < .05 for Control and Acetic Acid groups; b, P < .05 for Control and St. John's Wort groups; c, P < .05 for St. John's Wort*