

SUPPLEMENTARY MATERIALS

Table S1. Effect of *E. selaginoides* (ES) extract and biosynthesized gold nanoparticles (Au@ES) on myeloperoxidase (MPO) levels in the colon of mice with experimental colitis induced with 8% acetic acid. Results are expressed in average \pm standard error of the mean (SEM), in nmol/g tissue. The results were analysed with One-way ANOVA followed by Bonferroni test. ^a $p < 0.05$ versus control group; ^b $p < 0.05$ versus colitis group (acetic acid 8%).

EXPERIMENTAL GROUP	MPO nmol/g Tissue (Average \pm SEM)
Control	10.65 \pm 1.3
Acetic acid 8%	30.43 \pm 2.9 ^a
Dexamethasone	11.76 \pm 2.1 ^b
ES 25 mg/kg	21.97 \pm 2.4
ES 50 mg/kg	9.77 \pm 1.2 ^b
ES 100 mg/kg	27.63 \pm 2.8
Au@ES 25 mg/kg	15.13 \pm 1.9 ^b
Au@ES 50 mg/kg	11.11 \pm 1.7 ^b
Au@ES 100 mg/kg	29.19 \pm 2.9

Table S2. Effect of ES and Au@ES on reduced glutathione levels (GSH) in the colon of mice with experimental colitis. Results are expressed in average \pm standard error of the mean (SEM), in mg of NPSH/g tissue. The results were analysed with One-way ANOVA followed by Bonferroni test. ^a $p < 0.05$ versus control group; ^b $p < 0.05$ versus colitis group (acetic acid 8%).

EXPERIMENTAL GROUP	NPSH nmol/g Tissue (Average \pm SEM)	EXPERIMENTAL GROUP	NPSH/g Tissue (Average \pm SEM)
Control	58.92 \pm 6.9	Control	67.44 \pm 5.5
Acetic acid 8%	28.24 \pm 5.9 ^a	Acetic acid 8%	28.24 \pm 5.9 ^a
Dexamethasone	55.86 \pm 4.5 ^b	Dexamethasone	55.86 \pm 4.5 ^b
ES 25 mg/kg	34.04 \pm 4.4	Au@ES 25 mg/kg	50.29 \pm 4.1 ^b
ES 50 mg/kg	53.34 \pm 2.1 ^b	Au@ES 50 mg/kg	55.55 \pm 3.8 ^b
ES 100 mg/kg	31.22 \pm 2.8	Au@ES 100 mg/kg	40.67 \pm 6.1

Table S3. Effect of ES and Au@ES on malondialdehyde (MDA) levels in the colon of mice with experimental colitis. Results are expressed in average \pm standard error of the mean (SEM), in nmol/g tissue. The results were analysed with One-way ANOVA followed by Bonferroni test. ^a $p < 0.05$ versus control group; ^b $p < 0.05$ versus colitis group (acetic acid 8%).

EXPERIMENTAL GROUP	MBA (nmol/g Tissue) (Average \pm SEM)
Control	26.48 \pm 3.0
Acetic acid 8%	65.85 \pm 6.8 ^a
Dexamethasone	27.41 \pm 4.6 ^b
ES 25 mg/kg	45.26 \pm 4.8
ES 50 mg/kg	31.30 \pm 3.6 ^b
ES 100 mg/kg	52.36 \pm 6.0
Au@ES 25 mg/kg	34.09 \pm 1.0 ^b
Au@ES 50 mg/kg	27.25 \pm 4.4 ^b
Au@ES 100 mg/kg	49.67 \pm 5.9