

Supplementary material to:

FERULIC ACID AMELIORATES TNBS-INDUCED ULCERATIVE COLITIS THROUGH MODULATION OF CYTOKINES, OXIDATIVE STRESS, INOS, COX-2, AND APOPTOSIS IN LABORATORY RATS

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Supplementary File 1: TNBS induced-colitis and drug treatment schedule

Group No.	Animal group	Treatment	Dose (mg/kg)	Route of administration	No. of animals	Day of treatment		
						0	1 to 14	15
I	Sham	Dimethyl sulfoxide (DMSO) (1%)	1 ml	p. o.	10	---	√	Blood sample were collected and animals were sacrificed for biochemical, molecular and histopathological examination
		Physiological saline	0.25 mL	Intrarectally		√	---	
II	Ethanol treated	DMSO (1%)	1 ml	p. o.	10	---	√	
		Ethanol (50%)	0.25 mL	Intrarectally		√	---	
III	TNBS-induced control	DMSO (1%)	1 ml	p. o.	10	---	√	
		TNBS	100 mg/kg	Intrarectally		√	---	
IV	TNBS-induced and Sulfasalazine treated	Sulfasalazine	50 mg/kg	p. o.	10	---	√	
		TNBS	100 mg/kg	Intrarectally		√	---	
V	TNBS-induced and Ferulic acid (10 mg/kg) treated	Ferulic acid	10 mg/kg	p. o.	10	---	√	
		TNBS	100 mg/kg	Intrarectally		√	---	
VI	TNBS-induced and Ferulic acid (20 mg/kg) treated	Ferulic acid	20 mg/kg	p. o.	10	---	√	
		TNBS	100 mg/kg	Intrarectally		√	---	
VII	TNBS-induced and Ferulic acid (40 mg/kg) treated	Ferulic acid	40 mg/kg	p. o.	10	---	√	
		TNBS	100 mg/kg	Intrarectally		√	---	

Supplementary File 2: Primer sequences for TNF- α , IL-1 β , IL-6, IL-10, COX-2, iNOs, and β -actin

Gene	Sequence		Size (bp)
	Forward primer	Reverse primer	
TNF- α	AAGCCTGTAGCCCATGTTGT	CAGATAGATGGGCTCATACC	295
IL-1 β	TGATGTTCCATTAGACAGC	GAGGTGCTGATGTACCAGTT	290
IL-6	TAGCCGCCCCACACAGACAG	GGCTGGCATTGTGGTTGGG	479
IL-10	AGA-AGG-ACC-AGC-TGG-ACA-AC	GTC-GCA-GCT-GTA-TCC-AGA-GG	204
COX-2	ACAACATTCCCTTCCTTC	CCTTATTTCTTTTCACACC	253
iNOs	ATCCCGAAACGCTACAATT	TCTGGCGAAGAACAATCC	314
β -actin	GTCACCCACACTGTGCCCATCT	ACAGAGTACTTGCGCTCAGGAG	764