



**Figure S1.** Inhibition zone of the studied formula.

Primer	Sequence	Reference
GAPDH	5'-AGAAGG CTGGGGCTCATTTG-3' 5'-AGGGGCCAT CCACAGTCTTC-3'	[1]
COX-2	5'-ACA CAC TCT ATC ACT GGC ACC-3' 5'-TTC AGG GAG AAG CGT TTG C-3'	[2]
TNF- $\alpha$	5'-GCCTCTTCTCATTCCTGCTTG-3' 5'-CTGATGAGAGGGAGGCCATT-3'	[3]

**Table S1.** Primer sequences

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2. Fornai, M.; Blandizzi, C.; Colucci, R.; Antonioli, L.; Bernardini, N.; Segnani, C.; Baragatti, B.; Barogi, S.; Berti, P.; Spisni, R., Role of cyclooxygenases 1 and 2 in the modulation of neuromuscular functions in the distal colon of humans and mice. *Gut* **2005**, 54, (5), 608-616.
3. Yamakawa, I.; Kojima, H.; Terashima, T.; Katagi, M.; Oi, J.; Urabe, H.; Sanada, M.; Kawai, H.; Chan, L.; Yasuda, H., Inactivation of TNF- $\alpha$  ameliorates diabetic neuropathy in mice. *American Journal of Physiology-Endocrinology and Metabolism* **2011**.