## **Supplementary material**

**Table S1.** Mice were injected intraperitoneally (i.p.) with a 0.6 % solution of acetic acid. The number of stretching movements was counted for 10 min, starting 5 min after acetic acid injection. POE was suspended in 1% carboxymethylcellulose sodium salt (CMC) and orally administered 20 min before acetic acid injection. Measurements were performed on 10 mice for each treatments carried out in 2 different experimental sets.

| Treatment                  | Number of stretching |
|----------------------------|----------------------|
| Acetic ac. + vehicle       | $35.0 \pm 1.5$       |
| Acetic ac. + POE 100 mg/kg | $35.7 \pm 4.8$       |