Methods

Animals: male Wistar rats (200-250 g)

Experimental substances:
CA, GA, FA and Q from Sigma Aldrich (Germany)

Experimental design:
- 4 testing periods (7, 14, 21 and 30 days)
- 5 groups (n=10) for each period: Control (C), CA, FA, GA and Q

Treatment: saline (10 ml/kg), CA, FA, GA and Q (20 mg/kg as a 10 ml/kg solution) for the respective groups

Assessment of pain sensitivity threshold:
One hour after the last treatment on the 7th, 14th, 21st and 30th day using the paw pressure test according to the method of Randall & Selitto

Behavior recorded: the pressure at which the rat pulled back its paw as a result of pain sensation; measured in arbitrary units (AU)

Statistical analysis: Student’s t-test, GraphPad Prism statistical software

There is no potential conflict of interests.

References