Extraction of Pure Ketamine Powder and Study their Analgesic Effect as a Gel on Mice Using a Hot - Plate Test

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GRIN Verlag Mrz 2013, 2013. Taschenbuch. Book Condition: Neu. 210x148x2 mm. This item is printed on demand - Print on Demand Neuware - Scientific Essay from the year 2012 in the subject Chemistry - Other, grade: 3, University of Mosul, course: Dental Chemistry, language: English, abstract: The present study was undertaken to extract ketamine powder from ketamine hydrochloride by precipitate ketamine. After that we examine the purity of this powder by infra-red (FTIR) and ultra-violet(UV) spectroscopy. ketamine gel in different concentrations was prepared (0.5 , 1 , 5 , 10 , 15)% to evaluate the antinociceptive activity. ketamine powder was seen is pure and this show in infra-red and ultra-violet scanner. Ketamine gel at concentrations 0.5, 1, 5, 10,15) % produce antinociceptive in mice (5.6±2.2) (4.4±2.0) (8.2±4.3) (10.6±5.2) (8±2.1) second after 2 min respectively by using a hot plate test in comparison with control(2.4±2). The percentage of maximum possible effect (MPE) increased from (9.9) % in control group to (23.3) (18.3) (34.2) (44.2) (33.3)% respectively according to the concentrations of ketamine gel after 2 min . Purification of ketamine powder from ketamine solution and use as a gel to could be of value relief pain by topical application....

Reviews

This written publication is wonderful. It really is loaded with knowledge and wisdom You will not really feel monotony at at any time of your time (that's what catalogues are for relating to if you ask me).

-- ***Desmond Becker***

Absolutely essential go through publication. I am quite late in start reading this one, but better then never. You will not feel monotony at at any time of the time (that's what catalogues are for regarding if you ask me).

-- ***Ambrose Thompson II***