

## عنوان مقاله:

Evaluation of anxiolytic-like activity of Vitis vinifera juice in mice

## محل انتشار:

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## خلاصه مقاله:

Objective: Scientific studies have shown that Vitis vinifera (V. vinifera) contains flavonoids and stilbenoids. Flavonoids are well known to possess anxiolytic activities. In view of the idea that flavonoids present in V. vinifera could be useful in anxiety, we evaluated anxiolytic-like activity of V. vinifera juice (VVJ). Materials and Methods: Light/dark box and the open field test were used to assess the anxiolytic potential of V. vinifera juice (VVJ). The juice was given orally by gavage at the dose of 4 and 8 mL/kg body weight. Diazepam (1 mg/kg i.p.) was used as the standard drug. Results: It was observed that the juice produced significant and dose dependent increase in the time spent in light cubicle ( $p<0.001$ ), transfer latency from the light to dark cubicle ( $p<0.001$ ) and the number of transitions between the two cubicles ( $p<0.001$ ) as compared with the control group. V. vinifera also demonstrated significant and dose dependent increase in ambulation ( $P<0.001$ ) and rearing ( $p<0.001$ ) in open field test as compared to the control group. Conclusion: In conclusion, the present study establishes the anxiolytic-like activity of VVJ in animal models of anxiety

## کلمات کلیدی:

Vitis vinifera, Anxiety, Flavonoids, Open field test, The light/dark box

## لینک ثابت مقاله در پایگاه سیویلیکا:

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