



Anxiolytic activity of aqueous extract from the trunk bark of *Pausinystalia yohimbe* (Rubiaceae) K. Schum in wistar rats.

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1 SUMMARY

The objective of this study is to evaluate the effects of aqueous extract from the trunk bark of *Pausinystalia yohimbe* (Rubiaceae) k. schum on the traction assay in Swiss mice and forced swimming in Wistar rats. The traction test was carried out according to the method of Julou and Courvoisier. Twenty-five mice were divided into five batches each containing five animals as follows: batch (1) control, the animals received distilled water (0.5ml/kg P.O), batch (2) where the animals received Diazepam (3mg/kg P.O). In batches 3, 4 and 5 the animals received the aqueous extract of the trunk bark of *Pausinystalia yohimbe* (100, 250 and 500 mg/kg P.O). The immobility time of the animals on the bar was recorded every five minutes for fifteen minutes. The study of forced swimming was carried out according to the method described by Porsol, like the previous study, the same number of animals also divided into five batches. With a batch of reference molecule namely Clomipramine (15mg/kg P.O) and the batches where the animals were treated at doses of (100; 250 and 500mg/kg P.O) of the aqueous extract of the trunk bark of *Pausinystalia yohimbe*. The parameters evaluated were swimming time, climbing time and immobility time for six minutes... It appeared from this study that the aqueous extract of the trunk bark of *Pausinystalia yohimbe* significantly increased ($P < 0.01$; $P < 0.001$) the immobility time. The aqueous extract would act like Diazepam hence has sedative properties. The aqueous extract would act like Clomipramine and has antidepressant properties. The aqueous extract of the trunk bark of *Pausinystalia yohimbe* would be a good pharmacological product to recommend for mental pathologies.