PURIFICATION AND CHARACTERIZATION PARTIAL MYOTOXIC (LOCAL) OF TWO NOVEL ISOFORMES PLA_2 3-2 II AND 3-2 III FROM *Bothrops roedingeri* SNAKE VENOM

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The present work had as goal to characterize biochemistry and myotoxic enzymatic activities of two novel isoformes PLA_2 from total poison of *Bothrops roedingeri*, using three steps chromatography, one of molecular exclusion in Sephadex G-75, the following of ionic cation exchange in a column SP-Sephadex conventional C-50 and the third of Hydrophobicity (HPLC of reverse phase) in a column u-Bondapack C 18 (Waters). The fractions were denominated as 3-2 II and 3-2 III. According to the electrophoresis (PAGE-SDS) and confirmed by Spectrometry of Mass (MALDI Tof), with a mass of 13 103,1256 Da for the fraction 3-2 II and for the fraction 3-2 III 13 661,1972 Da. The PLA_2, they have evidenced a basic character. The effect myotoxic (local) "*in vivo*" it has been evidenced by the fractions PLA_2 when showing an increment risen in the levels of creatin kinase serum along 24 hours in the dose of 20µg/ml, being drastically high at the 6 hours stops later to diminish until reaching their normality, when the fractions 3-2 II and 3-2 III were administered for via intramuscular in male swiss mice revealing the character myotoxic of local effect characteristic of the basic myotoxins of the bothropic venom.

Key words: PLA2, *Bothrops roedingeri*, myotoxic, chromatography.
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