

Chemical composition of precloacal secretions of two *Liolaemus fabiani* populations: Are they different?

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The chemical composition of secretions of precloacal pores from two populations of the lizard *Liolaemusfabiani* (Puliar and Punta-Brava) were compared. This is an endemic species from the Atacama Salt Flat (26°46'S 68° 14'W; 2400 m) in northern Chile, restricted to the internal lakes of the salt flat. Interpopulational differences in the chemical composition of the secretions were expected considering that populations have genetic differences and are subject to different thermal conditions. By using GC-MS, a total of 44 compounds were found belonging to three categories: n-alkanes, long-chain carboxylic acids, and steroids. Six compounds were found in all the individuals studied: tetradecanoic, pentadecanoic, hexadecanoic, hexadecenoic, octadecanoic, and octadecenoic acids. The secretions of both populations had similar types and proportions of the different compounds, except for cholesterol and hexanoic acid, which were more abundant in the Puilar population. These differences can be a