

Comparative study of anti-inflammatory activity and qualitative-quantitative composition of triterpenoids from ten genotypes of *Ugni molinae* Estudio comparativo de la actividad antiinflamatoria y composición química cualitativa y cuantitativa de triterpen

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© 2016 Universidad de Santiago de Chile. All rights reserved. The aim of this study was to assess the differences in qualitative-quantitative composition of triterpenoids and total phenolic contents, together with anti-inflammatory activity of *Ugni molinae* leaves obtained from ten genotypes. The ethyl acetate (EAE) and ethanol extracts (ETE) were obtained and analyzed. The plant genotypes were grown under same soil and climate conditions and under same agronomic management; the leaves were also harvested under the same conditions. Anti-inflammatory activity was evaluated by mice ear edema induced by 12-O-tetradecanoylphorbol-13-acetate (TPA) at a single dose of 200 mg/kg BW of each extract. Composition of triterpenoids and total phenolic contents was determined by HPLC-DAD and Folin-Ciocalteu method, respectively. *Ugni molinae* leaves of different plant genotypes exhibited significant differences in regard to their anti-inflammatory activity, as well as in qualitative-quantitative compo