Medicinal Plants of Chile: Evaluation of their

Anti-Trypanosoma cruzi Activity

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Z. Naturforsch. **68 c**, 198–202 (2013); received December 15, 2011/March 7, 2013 The extracts of several plants of Central Chile exhibited anti-Trypanosoma cruzi trypomastigotes activity. Most active extracts were those obtained from *Podanthus ovatifolius*, Berberis microphylla, Kageneckia oblonga, and Drimys winteri. The active extract of Drimys winteri (IC₅₀ 51.2 μ g/mL) was purified and three drimane sesquiterpenes were obtained:

polygodial, drimenol, and isodrimenin. Isodrimenin and drimenol were found to be active against the trypomastigote form of T. cruzi with IC₅₀ values of 27.9 and 25.1 μ M, respectively. Key words: Anti-Trypanosoma cruzi, Drimenol, Isodrimenin