



Revista Peruana de Biología

ISSN: 1561-0837

lromeroc@unmsm.edu.pe

Universidad Nacional Mayor de San Marcos
Perú

Palacios, Zahyda G.F.; Delgado, Guillermo E.; Moreno, Mario C.; Kato, Massuo J.; Rojas, Consuelo

Actividad antifúngica in vitro de extractos crudos de *Piper tuberculatum*
Revista Peruana de Biología, vol. 16, núm. 2, diciembre, 2009, pp. 209-214
Universidad Nacional Mayor de San Marcos
Lima, Perú

Available in: <http://www.redalyc.org/articulo.oa?id=195014939014>

Abstract

Piper tuberculatum Jacq. (Piperaceae) is used in traditional Peruvian medicine as anti-inflammatory and disinfectant of wounds in humans and domestic animals. This species contains amides bearing isobutyl, pyrrolidine, dihydropyridone and piperidine moieties. The aim of this work was to investigate antifungal activity of crude extracts from the spikes, leaves and stems of wild plants extracted with CH₂Cl₂:MeOH (2:1), EtOH, decoction, and in vitro plants extracted with CH₂Cl₂:MeOH (2:1). The crude extracts showed antifungal activity on *Trichophyton rubrum*, *Mycosporum canis* y *M. gypseum*. The minimum inhibitory concentration (MIC) observed with CH₂Cl₂:MeOH (2:1), EtOH and decoctions extracts against *T. rubrum*, *M. canis* and *M. gypseum* was 0,1 mg/mL for spikes and leaves, and 0,1 to 0,5 mg/mL for stems. The inhibition of growth using in vitro plants on *T. rubrum* and *M. canis* was 100% in 0,5 mg/mL, and 95% on *M. gypseum* 95% using 1,5 mg/mL of concentration.

Keywords

CH₂Cl₂:MeOH extract, *Microsporum canis*, *M. gypseum*, tissue culture, *Trichophyton rubrum*.

- How to cite
- Complete issue
- More information about this article
- Journal's homepage in redalyc.org

redalyc.org

Scientific Information System

Network of Scientific Journals from Latin America, the Caribbean, Spain and Portugal

Non-profit academic project, developed under the open access initiative