

# **Triterpenic Acids and Flavonoids from *Satureja parvifolia*.**

## **Evaluation of their Antiprotozoal Activity**

Catalina van Baren<sup>a</sup>, Ivie Anao<sup>b</sup>, Paola Di Leo Lira<sup>a</sup>, Silvia Debenedetti<sup>c</sup>, Peter Houghton<sup>b</sup>, Simon Croft<sup>d</sup>, and Virginia Martino<sup>a,\*</sup>

<sup>a</sup> Cátedra de Farmacognosia, Instituto de Química y Metabolismo del Fármaco IQUIMEFA (UBA-CONICET), Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires, Junín 956, 1113 Buenos Aires, República Argentina.

Fax: 54 (11) 4508-3642. E-mail: vmartino@ffyb.uba.ar

<sup>b</sup> Department of Pharmacy, King's College London, Franklin-Wilkins Building, 150 Stamford Street, London SE1 8WA, UK

<sup>c</sup> Cátedra de Farmacognosia, Facultad de Ciencias Exactas y Naturales, Universidad Nacional de La Plata, calle 47 y 115, 1900 La Plata, República Argentina

<sup>d</sup> Parasitology Department, London School of Hygiene and Tropical Medicine, Keppel Street, London WC1, UK

\* Author for correspondence and reprint requests

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Bioassay-guided fractionation of a *Satureja parvifolia* MeOH extract led to the isolation of eriodictyol, luteolin and ursolic and oleanolic acids as its active components against *Plasmodium falciparum* K1. This is the first time these compounds are reported as constituents of *S. parvifolia*. Ursolic acid showed an IC<sub>50</sub> of 4.9 µg/ml, luteolin 6.4 µg/ml, oleanolic acid 9.3 µg/ml and eriodictyol 17.2 µg/ml. Antiplasmodial activity of eriodictyol and luteolin is reported here for the first time.

Besides, the four compounds showed activity against *P. falciparum* 3D7 strain and *Trypanosoma brucei rhodesiense*. Eriodictyol showed moderate activity on all the parasites but was the most selective compound as a result of its rather low cytotoxicity (IC<sub>50</sub> 174.2 µg/ml) on the mammalian KB cell line.

*Key words:* *Satureja parvifolia*, Antiprotozoal Compounds