

Bioactivity of Flavonoids Isolated from *Lychnophora markgravii* against *Leishmania amazonensis* Amastigotes

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The bioactivity of the flavonoids pinostrobin (**1**), pinocembrin (**2**), tectochrysin (**3**), galangin 3-methyl ether (**4**), and tiliroside (**5**) isolated from *Lychnophora markgravii* aerial parts was investigated *in vitro* against amastigote stages of *Leishmania amazonensis*. The compounds were isolated by several chromatographic techniques and their chemical structures were established by ESI-MS and NMR spectroscopic data. The flavonoids **1** and **3** were the most active compounds; they markedly reduced the viability of *Leishmania* amastigotes.

Key words: *Lychnophora markgravii*, Flavonoids, Biological Activity