Enzymatic Inhibitory Activity and Trypanocidal Effects of Extracts and Compounds from *Siphoneugena densiflora* O. Berg and *Vitex polygama* Cham.

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Hexanic, methanolic, and hydroalcoholic extracts, and 34 isolated compounds from *Vitex polygama* Cham. (Lamiaceae, formerly Verbenaceae) and *Siphoneugena densiflora* O. Berg (Myrtaceae) were screened for their trypanocidal effects on bloodstream forms of *Trypanosoma cruzi* and *T. brucei*, as well as for their enzymatic inhibitory activities on glycosomal glyceraldehyde-3-phosphate dehydrogenase (gGAPDH) and trypanothione reductase (TR) enzymes from *T. cruzi* and adeninephosphoribosyl transferase (APRT) enzyme from *Leishmania tarentolae*. In general, polar extracts displayed strong effects and some of the tested compounds have shown good results in comparison to positive controls of the bioassays.

Key words: Myrtaceae, Trypanosoma, Leishmania