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PC-06

Phytochemicals of *Salvia africana* and *Salvia elegans* and *Salvia officinalis* 'Icterina'

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Salvia species are used worldwide for medicine purposes. In general, these medicinal plants have high amounts of flavonoids and phenolic acids that are thought to be closely related to their health properties [1,2]. Albeit that, the phenolic composition of many *Salvia* species remains unclear. In this work, aqueous extracts from *S. africana*, *S. elegans* and *S. officinalis* 'Icterina' were prepared in order to elucidate the phenolic composition by high performance liquid chromatography with diode array detector coupled to an electrospray ionization mass spectrometer (HPLC-DAD-MSn).

Similarly to other *Salvia* species [2], these extracts were rich in rosmarinic acid (UV max 290, 328 nm) as well the flavone luteolin-O-glucuronide (MW 462) (UV max 250, 267, 345 nm). In addition, the extracts of *S. africana* and *S. officinalis* 'Icterina' contain moderate amounts of danshensu ([M-H]⁻ at *m/z* 395→197→179, UV max 280 nm) while *S. africana* have also present yunnaneic acid D ([M-H]⁻ at *m/z* 539→297, 359, 179, UV max 270 nm). The extract of *S. elegans* is composed by the caffeic acid derivatives 3'-O-(8"-Z-caffeoyl) rosmarinic acid and lithospermic acid B ([M-H]⁻ at *m/z* 717→, 519, 475, 537, UV max 290, 337 nm). This latter compound that is also present in *S. officinalis* 'Icterina' extracts together other depside called salvianolic acid K (MW 556) detected in moderate quantities.

This work is an important contribution for the phytochemical characterization of these three *Salvia* species.

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