HPLC Analysis and Phytoconstituents Isolated from Ethyl Acetate Fraction of Scutia buxifolia Reiss. Leaves

Aline A. BOLIGON ¹*, Andriéli C. FELTRIN ¹, Michel M. MACHADO ¹, Vanessa JANOVÍK ¹ & Margareth L. ATHAYDE ²

¹ Programa de Pós-Graduação em Ciências Farmacêuticas, Universidade Federal de Santa Maria, Prédio 26, Santa Maria, RS, CEP 97105-900, Brasil.
² Departamento de Farmácia Industrial, Centro de Ciências da Saúde, Universidade Federal de Santa Maria, Campus Universitário, Prédio 26, sala 1115. Santa Maria, CEP 97105-900, Brasil.

SUMMARY. Fractionation of the ethyl acetate soluble fraction from the ethanol extract of the leaves of Scutia buxifolia (Rhamnaceae) led to the isolation of quercetin, quercetin 3-0-rhamnoside (quercitrin), quercetin 3-0-glucoside (isoquercitrin) and rutin. The structures of the isolates were elucidated by spectroscopic analysis and comparison with literature data and analyzed for high performance liquid chromatography (HPLC). The isolated compounds are reported for the first time to the species S. buxifolia.

KEY WORDS: Flavonoids, HPLC, Rhamnaceae, Scutia buxifolia.

* Author to whom correspondence should be addressed. E-mail: alineboligon@hotmail.com, alineboligon@yahoo.com.br