



## Fast counter current chromatography of n-butanolic fraction from *Senecio giganteus* (Asteraceae)

Submitted by Emmanuel Lemoine on Wed, 12/04/2013 - 16:28

Titre	Fast counter current chromatography of n-butanolic fraction from <i>Senecio giganteus</i> (Asteraceae)
Type de publication	Article de revue
Auteur	Mezache, N. [1], Derbré, Séverine [2], Akkal, Salah [3], Laouer, Hocine [4], Seraphin, Denis [5], Richomme, Pascal [6]
Pays	Etats-Unis
Editeur	Natural Product Communications
Ville	Westerville
Type	Article scientifique dans une revue à comité de lecture
Année	2009
Langue	Anglais
Date	2009
Numéro	10
Pagination	1357 - 1362
Volume	4
Titre de la revue	Natural Product Communications
ISSN	1934-578X
Mots-clés	Asteraceae [7], <i>Senecio giganteus</i> [8]
Résumé en anglais	Phenolic derivatives such as quinones, acid-phenols and flavonoids were successfully isolated from a <i>n</i> -butanolic fraction of <i>Senecio giganteus</i> Desf. (Asteraceae) flowers, namely jacaranone (1), 3a-hydroxy-3,3a,7,7a-tetrahydrobenzofuran-2,6-dione (2), chlorogenic acid (3), hyperoside (4), quercetin 3-O- $\beta$ -D-robinobioside (5), isorhamnetin-3-O- $\beta$ -D-glucuronide (6), quercetin-3-O- $\beta$ -D-glucuronide (7), and isorhamnetin-3-O- $\beta$ -D-glucuronide-6"-methyl ester (8). These compounds were purified through either classical polyamide filtration followed by fractionation on Si gel, or through fast centrifugal partition chromatography (FCPC). Using FCPC, the major compounds could be readily isolated from the crude <i>n</i> -butanolic fraction. Compounds 1-8 were identified by means of spectroscopic and spectrometric analysis (UV, $^1\text{H}$ , $^{13}\text{C}$ and 2D NMR, and MS). This work described for the first time the phytochemical composition of this endemic Algerian plant.
URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua22">http://okina.univ-angers.fr/publications/ua22</a> [9]

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