



## Anti-AGEs and antiparasitic activity of an original prenylated isoflavonoid and flavanones isolated from *Derris ferruginea*

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

Titre	Anti-AGEs and antiparasitic activity of an original prenylated isoflavonoid and flavanones isolated from <i>Derris ferruginea</i>
Type de publication	Article de revue
Auteur	Morel, Sylvie [1], Helesbeux, Jean-Jacques [2], Seraphin, Denis [3], Derbré, Séverine [4], Gatto, Julia [5], Aumond, Marie-Christine [6], Abatuci, Yannick [7], Grellier, Philippe [8], Beniddir, Mehdi A [9], Le Pape, Patrice [10], Pagniez, Fabrice [11], Litaudon, Marc [12], Landreau, Anne [13], Richomme, Pascal [14]
Editeur	Elsevier
Ville	Elsevier
Type	Article scientifique dans une revue à comité de lecture
Année	2013
Date	2013/08
Numéro	3
Pagination	498 - 503
Volume	6
Titre de la revue	Phytochemistry Letters
ISSN	1874-3900
Mots-clés	AGEs [15], Antiparasitic [16], <i>Derris</i> [17], Fabaceae [18], Flavonoid [19], Synthesis [20]
Résumé en anglais	A new isoflavonoid, 5-hydroxy-3-(4-hydroxyphenyl)-8-isopropenyl-8,9-dihydro-4H-furo-[2,3-h]-chromen-4-one named derrisisoflavone G (1), four known prenylated flavanones (2-5), four known isoflavonoids (6-9) and two phenolic derivatives (10, 11) have been isolated from crude extracts of <i>Derris ferruginea</i> stems and leaves. Compounds 1-11 were identified using spectroscopic methods whereas an unambiguous structural assignment of 1 was accomplished through hemi-synthesis. Compounds 2-5 exhibited strong in vitro antiparasitic activity against <i>Plasmodium falciparum</i> and <i>Leishmania major</i> but with poor selectivity, whereas 1-5 significantly inhibited the formation of advanced glycation endproducts (AGEs).
URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua8">http://okina.univ-angers.fr/publications/ua8</a> [21]
DOI	10.1016/j.phytol.2013.06.002 [22]
Lien vers le document	<a href="http://dx.doi.org/10.1016/j.phytol.2013.06.002">http://dx.doi.org/10.1016/j.phytol.2013.06.002</a> [22]

### Liens

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Publié sur *Okina* (<http://okina.univ-angers.fr>)