



## Sesquiterpenes from aerial parts of *Ferula vesceritensis*

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Titre	Sesquiterpenes from aerial parts of <i>Ferula vesceritensis</i>
Type de publication	Article de revue
Auteur	Oughlissi-Dehak, Karima [1], Lawton, Philippe [2], Michalet, Serge [3], Bayet, Christine [4], Darbour, Nicole [5], Hadj-Mahammed, Mahfoud [6], Badjah-Hadj-Ahmed, Yacine A. [7], Dijoux-Franca, Marie-Geneviève [8], Guilet, David [9]
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Résumé en anglais	<p>From the dichloromethane extract of aerial parts of <i>Ferula vesceritensis</i> (Apiaceae), 11 sesquiterpene derivatives were isolated. Among them five were compounds designated as 10-hydroxylancerodiol-6-anisate, 2,10-diacetyl-8-hydroxyferutriol-6-anisate, 10-hydroxylancerodiol-6-benzoate, vesceritenone and epoxy-vesceritenol. The six known compounds were identified as feselol, farnesiferol A, lapidol, 2-acetyl-jaeschkeanadiol-6-anisate, lasidiol-10-anisate and 10-oxo-jaeschkeanadiol-6-anisate. All the structures were determined by extensive spectroscopic studies including 1D and 2D NMR experiments and mass spectroscopy analysis. Two of the compounds, the sesquiterpene coumarins farnesiferol A and feselol, bound to the model recombinant nucleotide-binding site of an MDR-like efflux pump from the enteropathogenic protozoan <i>Cryptosporidium parvum</i>.</p>
URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua11262">http://okina.univ-angers.fr/publications/ua11262</a> [16]
DOI	10.1016/j.phytochem.2008.03.010 [17]

### Liens

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