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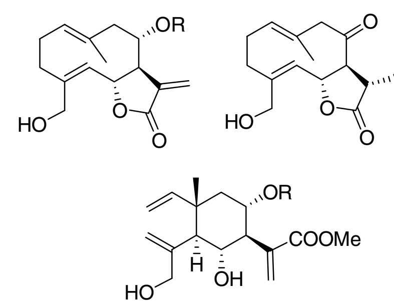
Phytochemistry Vol. 66, No. 14, 2005

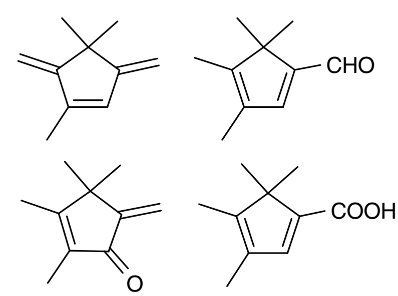
Contents

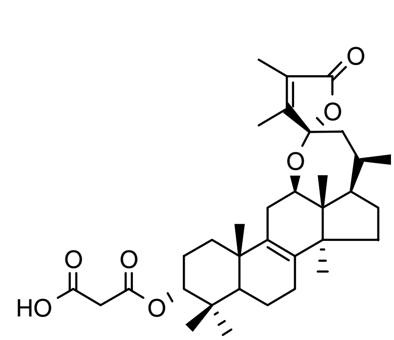
Reports on Structure Elucidation

FULL PAPERS

TERPENOIDS

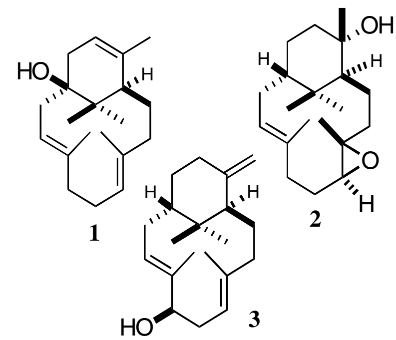






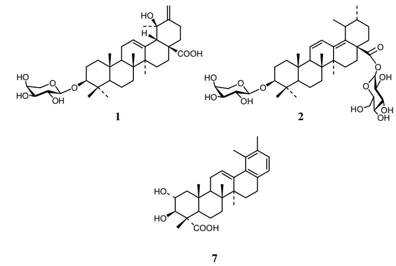
Fumihiro Nagashima*, Katsuhiro Kishi, Yuko Hamada, Shigeru Takaoka, Yoshinori Asakawa

Three *ent*-verticillane diterpenoids (**1**–**3**) have been isolated from the Japanese liverwort *Jackiella javanica*, together with five known *ent*-verticillane, three known *ent*-kaurane diterpenoids, and five sesquitepenoids. Their structures are established by application of extensive NMR spectroscopic analysis, chemical conversions and X-ray crystallographic studies.



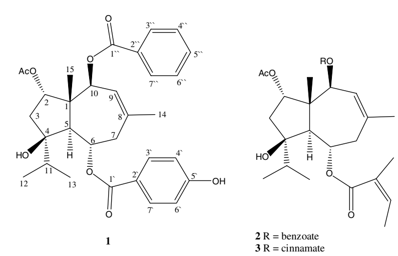
Xin Liu, Yanxing Cui, Qiang Yu, Biao Yu*

Seven triterpenoids (**1**–**7**) and three known ones (**8**–**10**) were isolated from the roots of *Sanguisorba officinalis*, and their structures were determined by spectroscopic and chemical methods.



Ahmed A. Ahmed*, Mohktar M. Bishr, Mohamed A. El-Shanawany, Eman Z. Attia, Samir A. Ross, Paul W. Paré

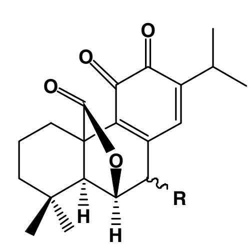
Phytochemical and biological investigation of the roots of *Daucus carota* ssp. *Carota* afforded seven compounds, including four sesquiterpenes daucane esters. The structures of the compounds were determined by extensive NMR studies, including DEPT, COSY, NOESY, HMQC and HMBC analyses.



2 R = benzoate
3 R = cinnamate

Ahmed A. Mahmoud*, Shar S. AL-Shihry, Byeng W. Son

Two abietane-type diterpenoid *o*-quinones, 7β-methoxyabieta-8,13-diene- 11,12-dione-(20,6β)-olide (rosmaquinone A) (**1**) and 7α-methoxyabieta-8,13-diene-11,12-dione-(20,6β)-olide (rosmaquinone B) (**2**), together with six known compounds were isolated from the aerial parts of *Rosmarinus officinalis*. The structures were determined on the basis of spectral studies.



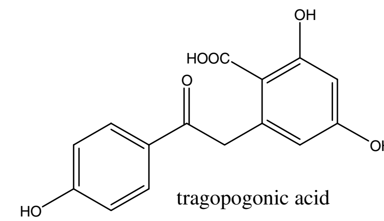
1: R = β-OCH_3

2: R = α-OCH_3

PHENOLICS

Bibenzyls and dihydroisocoumarins from white salsify (*Tragopogon porrifolius* subsp. *porrifolius*) **pp 1691–1697**

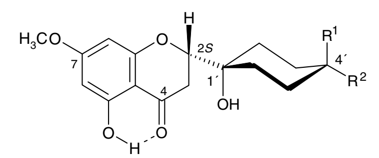
Christian Zidorn*, Ulrike Lohwasser, Susanne Pschorr, Daniela Salvenmoser, Karl-Hans Ongania, Ernst P. Ellmerer, Andreas Börner, Hermann Stuppner


tragopogonic acid

Tragopogon porrifolius L. subsp. *porrifolius* (Asteraceae, Lactuceae) yielded three bibenzyl derivatives, 5,4′-dihydroxy-3-α-L-rhamnopyranosyl-(1→3)-β-D-xylopyranosyloxybibenzyl, 2-carboxyl-3,4′-dihydroxy-5-β-D-xylopyranosyloxybibenzyl, tragopogonic acid (2′carboxyl-3′,5′,4-trihydroxyphenylethanone) and the dihydroisocoumarin 6-*O*-methylscorzocreticoside I.

Cyclohexanoid protoflavanones from the stem-bark and roots of *Ongokea gore* **pp 1698–1706**

Gerold Jerz*, Reiner Waibel, Hans Achenbach

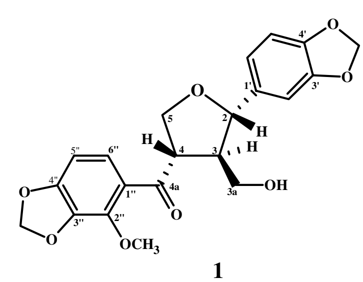


1: R^1, R^2 = O **3**: R^1 = H, R^2 = OH
2: R^1 = R^2 = OCH_3 **4**: R^1 = OH, R^2 = H

Four protoflavanones with hydrogenated B-ring were isolated from *Ongokea gore* (Olacaceae) and named as (2*S*)-ongokein-4′-one (**1**), (2*S*)-4′,4′-dimethoxy-ongokein (**2**), (2*S*)-*cis*-4′-hydroxy-ongokein (**3**), and (2*S*)-*trans*-4′-hydroxy-ongokein (**4**).

Flavonoids, triterpenoids and a lignan from *Vitex altissima* **pp 1707–1712**

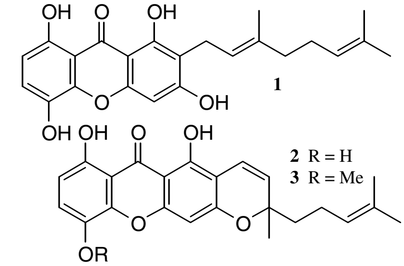
Chenchugari Sridhar, Karumanchi V. Rao, Gottumukkala V. Subbaraju*


1

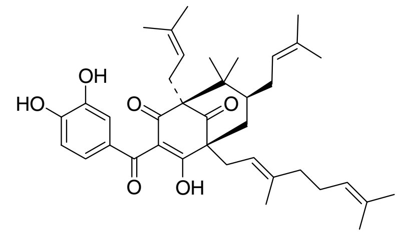
A lignan, altissinone (**1**), and a flavonoid, 2-*O*-*p*-hydroxybenzoylorientin (**2**), along with 11 known compounds have been isolated from ethyl acetate extractives of the leaves of *Vitex altissima*. The structures of these compounds were determined by 2D NMR data. The isolates were evaluated for their antioxidant and 5-lipoxygenase inhibitory activities.

Xanthones from *Garcinia smeathmannii* (Oliver) and their antimicrobial activity **pp 1713–1717**

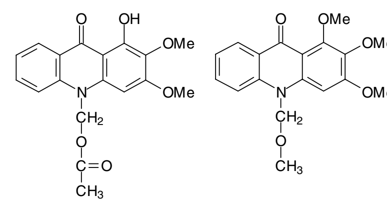
Justin Komguem, A.L. Meli, R.N. Manfouo, David Lontsi*, F.N. Ngounou, V. Kuete, Hippolyte W. Kamdem, Pierre Tane, Bonaventure T. Ngadjui, Beiban L. Sondengam, Joseph D. Connolly


1
2 R = H
3 R = Me

Smeathxanthones A (**1**) and B (**2**) have been isolated from the stem bark of *Garcinia smeathmannii* (Oliver).

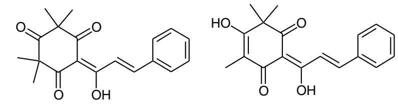


ALKALOIDS

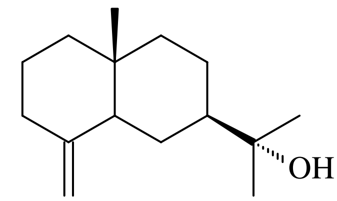


Toddaliopsin C Toddaliopsin D

GENERAL CHEMISTRY



1 **2**



β-eudesmol

OTHER CONTENTS

*Corresponding author

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ISSN 0031-9422