

Guaiane dimers from *Xylopia vielana*

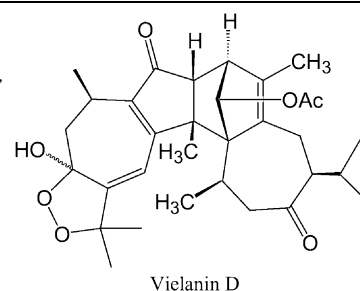
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From the leaves of *Xylopia vielana* (Annonaceae) two dimeric guaianes named vielanins D and E were isolated and structurally elucidated by mass and NMR spectroscopy. Vielanins D and E consist of bridged ring systems formally representing the Diels–Alder products of two different guaiane-type monomers.

Phytochemistry, 2003, **64**, 811



Ring A-seco mosquito larvicidal limonoids from *Turraea wakefieldii*

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^bBiological Chemistry Division, Rothamsted Research, Harpenden, Hertfordshire AL5 2JQ, UK

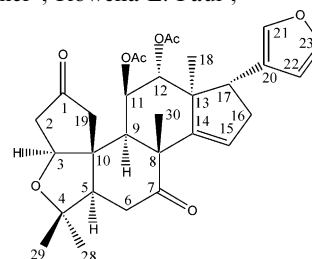
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Five novel limonoids were isolated from the rootbark of *Turraea wakefieldii* and were characterized as tecleaninoid derivatives. This is the first report of the natural occurrence of tecleanin-type limonoids with a five-membered-ring A-seco structure for which we propose the name neotecleanins.

Phytochemistry, 2003, **64**, 817



Detection of unusual carotenoid esters in fresh mango (*Mangifera indica* L. cv. 'Kent')

Isabell Pott^a, Dietmar E. Breithaupt^b, Reinhold Carle^c

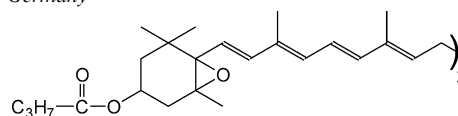
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^cInstitute of Food Technology, Hohenheim University, Garbenstraße 25, D-70599 Stuttgart, Germany

Unusual carotenoid esters occurring in the mesocarp of mango fruits (cv. 'Kent') were unequivocally identified using LC–(APCI)MS.

Phytochemistry, 2003, **64**, 825



Artoindonesianins X and Y, two isoprenylated 2-arylbenzofurans, from *Artocarpus fretessi* (Moraceae)

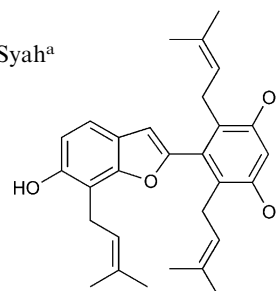
Nunuk H. Soekamto^a, Sjamsul A. Achmad^a, Emilio L. Ghisalberti^b, Euis H. Hakim^a, Yana M. Syah^a

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^bDepartment of Chemistry, The University of Western Australia, Crawley, WA 6907, Australia

Two isoprenylated 2-arylbenzofurans, artoindonesianins X and Y, together with seven known flavonoids, have been isolated from the roots and tree bark of *Artocarpus fretessi*: the 2-arylbenzofurans displayed moderate biological activity against the brine shrimp *Artemia salina*.

Phytochemistry, 2003, **64**, 831

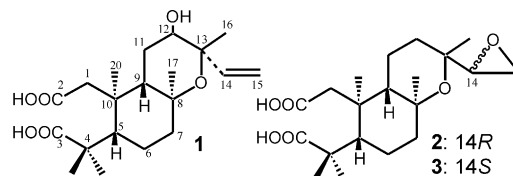


Seco-labdane type diterpenes from *Excoecaria agallocha*

Tenji Konishi, Kiyonori Yamazoe, Takao Konoshima, Yasuhiro Fujiwara

Kyoto Pharmaceutical University, Nakauchi-cho 5, Misasagi, Yamashina-ku, Kyoto 607-8414, Japan

The structure elucidation of three seco diterpenes from the resinous wood of *Excoecaria agallocha* is reported.



Phytochemistry, 2003, **64**, 835

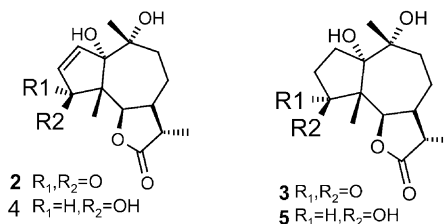
Pseudoguaianolides from the flowers of *Parthenium hysterophorus*

C. Ramesh^a, N. Ravindranath^a, Biswanath Das^a, A. Prabhakar^a, Jagadeesh Bharatam^a, K. Ravikumar^a, A. Kashinatham^b, T.C. McMorris^b

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^bDepartment of Chemistry, University of California, San Diego, USA

Chemical investigation on the flowers of *Parthenium hysterophorus* has resulted in the isolation of four new pseudoguaianolides, hysteronones A–D (**2–5**) along with the known compounds, parthenin, coronopilin, 2 β -hydroxycoronopilin and tetra-neurin-A.



Phytochemistry, 2003, **64**, 841

Pentacyclic triterpenoid and saponins from *Gambeya Boukokoensis*

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^aDepartment of Organic Chemistry, University of Yaounde-1, Faculty of Science, PO Box 812 Yaoundé, Cameroon

^bLaboratoire de Pharmacognosie, UMR/CNRS No-8638, Université René- Descartes, Faculté des Sciences Biologiques et Pharmaceutiques, 4-Avenue de l'Observatoire, 75006 Paris, France

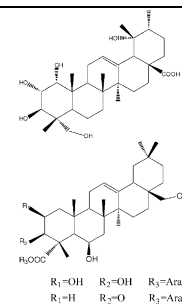
^cDepartment of Chemistry, Natural Products Research Group, University of Natal, Durban, Republic of South Africa

^dCentre de recherche en plantes médicinales et médecine traditionnelle, IMPM, Yaoundé, Cameroon

^eLaboratoire de Pharmacognosie, UFR de Médecine Pharmacie- Rouen, 22-Bld Gambetta, 76183 Rouen Cedex 1, France

^fLaboratoire de Chimie Analytique, UFR de Médecine Pharmacie- Rouen, 22-Bld Gambetta, 76183 Rouen Cedex 1, France

A new triterpenoid, gamboukokoensein A, and two new saponins, gamboukokoensides A and B, have been isolated from *Gambeya boukokoensis*.



Phytochemistry, 2003, **64**, 845

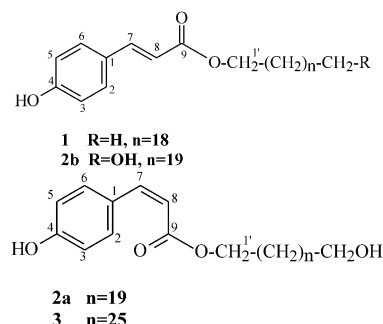
p-Coumaric acid esters from *Tanacetum longifolium*

Umar Mahmood^a, Vijay K. Kaul^a, Ruchi Acharya^a, Leopold Jirovetz^b

^aDepartment of Natural Plant Products, Institute of Himalayan Bioresource Technology, Palampur (HP)-176 061, India

^bInstitute of Pharmaceutical Chemistry, University of Vienna, Pharmacy Centre, Althanstrasse-14, A-1090, Vienna, Austria

Two new *p*-coumaric acid esters, 21'-hydroxy-heneicosanyl-(*cis* and *trans*)-*p*-coumarate (**2a**, **2b**) and 27'-hydroxy heptacosanyl-*cis*-*p*-coumarate (**3**) along with eicosanyl-*trans*-*p*-coumarate (**1**) were isolated.



Benzoquinone derivatives of *Myrsine africana* and *Maesa lanceolata*

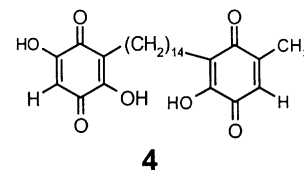
Lawrence O. Arot Manguro^a, Jacob O. Midiwo^a, Wolfgang Kraus^b, Ivar Ugi^c

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^bUniversitaet Hohenheim, Institut fuer Chemie, Garbenstrasse 30, 70593-Stuttgart, Germany

^cTechnische Universitaet Muenchen, Institut fuer Organische Chemie und Biochemie, Lichtenbergstrasse 4, Lehrstuhl I, 85747-Garching, Germany

The isolation and structure determination of four alkylhydroxy-1,4-benzoquinones including **4** from the fruits of *Myrsine africana* and *Maesa lanceolata* are described.



Phytochemistry, 2003, **64**, 855

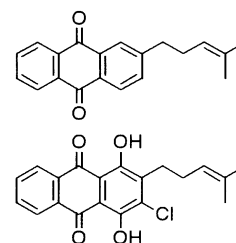
Anthrasesamones from roots of *Sesamum indicum*

Toshio Furumoto^a, Mayumi Iwata^a, A.F.M. Feroj Hasan^{a,b}, Hiroshi Fukui^a

^aDepartment of Biochemistry and Food Science, Faculty of Agriculture, Kagawa University, Kagawa 761-0795, Japan

^bBangladesh Institute of Nuclear Agriculture, Mymensingh 2200, Bangladesh

Three anthraquinones, anthrasesamones A, B and C, together with two known anthraquinones, were isolated from the roots of *Sesamum indicum*. Anthrasesamone C is a rare chlorinated anthraquinone in higher plants.



Phytochemistry, 2003, **64**, 863

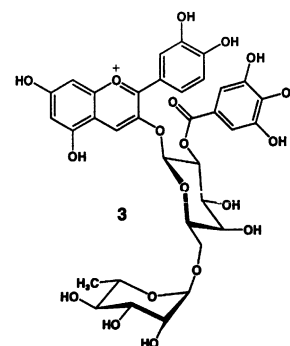
Anthocyanins acylated with gallic acid from chenille plant, *Acalypha hispida*

Bergitte Reiersen^a, Bernard T. Kiremire^b, Robert Byamukama^b, Øyvind M. Andersen^a

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^bDepartment of Chemistry, Makerere University, PO Box 7062, Kampala, Uganda

Three anthocyanins including the novel pigment, cyanidin 3-O-(2-galloyl-6-O- α -rhamnopyranosyl- β -galactopyranoside) (**3**) were isolated from the red flowers of chenille plant, *Acalypha hispida* Burm. (Euphorbiaceae)



Phytochemistry, 2003, **64**, 867

Coumarins from Malaysian *Micromelum minutum*

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^aDepartment of Chemistry, Universiti Putra Malaysia, 43400 UPM, Malaysia

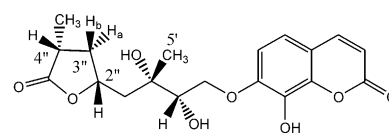
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^dForest Department, PO Box No. 68, 90009 Sandakan, Sabah, Malaysia

^eCentre for Phytochemistry, Southern Cross University, Lismore, NSW 2480, Australia

Four coumarins (e.g., 8-hydroxy-3'',4''-dihydrocapnolactone-2',3'-diol) were obtained from the leaf extract of *Micromelum minutum*.



8-hydroxy-3'',4''-dihydrocapnolactone-2',3'-diol

A flavanone and a dihydrodibenzoxepin from *Bauhinia variegata*

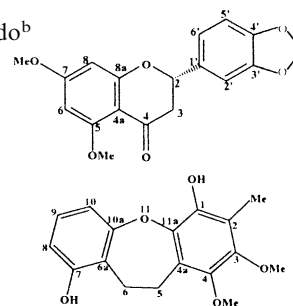
Phytochemistry, 2003, **64**, 879

Mopuru V.B. Reddy^a, Muntha K. Reddy^a, Duvvuru Gunasekar^a, Cristelle Caux^b, Bernard Bodo^b

^aNatural Products Division, Department of Chemistry, Sri Venkateswara University, Tirupati 517 502, India

^bLaboratoire de Chimie des Substances Naturelles, ESA 8041 CNRS, Museum National d'Histoire Naturelle, 63 rue Buffon, 75005 Paris, France

Phytochemical analysis of the root bark of *Bauhinia variegata* Linn yielded a new flavanone, (2*S*)-5,7-dimethoxy-3',4'-methylenedioxyflavanone and a new dihydrodibenzoxepin, 5,6-dihydro-1,7-dihydroxy-3,4-dimethoxy-2-methylbenz [b,f]oxepin together with three known flavonoids.



Polyoxygenated flavonoids from *Eugenia edulis*

Phytochemistry, 2003, **64**, 883

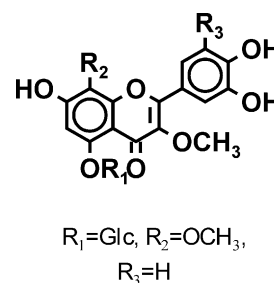
Sahar A.M. Hussein^a, Amani N.M. Hashem^a, Mohammed A. Seliem^b, Ulrike Lindequist^c, Mahmoud A.M. Nawwar^a

^aDepartment of Phytochemistry, National Research Center, Dokki, Cairo, Egypt

^bDepartment of Pharmacognosy, Faculty of Pharmacy, Cairo University, Egypt

^cInstitut für Pharmazie, Pharmazeutische Biologie, Ernst-Moritz-Arndt-Universität, F.-L.-Jahnstr. 17, D-17487 Greifswald, Germany

Three new polyoxygenated flavonoids, including gossypetin-5-*O*-glucoside-3,8-di-methyl ether were isolated from the leaves of *Eugenia edulis* Vell (Myrtaceae).



Flavonol glycosides of *Warburgia ugandensis* leaves

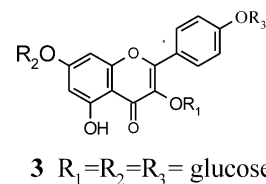
Phytochemistry, 2003, **64**, 891

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^bTechnische Universität München, Institut für Organische Chemie und Biochemie, Lehrstuhl 1, Lichtenbergstrasse 4, 85747-Garching, Germany

Four novel flavonol glycosides, including **3** were isolated from the leaves of *Warburgia ugandensis*. Their structures were established by spectroscopic and chemical methods and by comparison with spectral data of related known compounds.



Alkaloids and a pimarane diterpenoid from *Strychnos vanprukii*

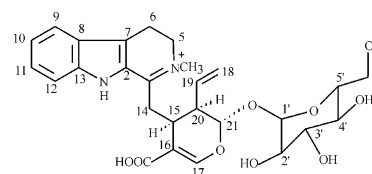
Phytochemistry, 2003, **64**, 897

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^bLeiden University, Leiden/Amsterdam Center for Drug Research, Division of Pharmacognosy, Gorlaeus Laboratories, PO Box 9502, Einsteinweg 55, 2300 RA Leiden, The Netherlands

From the stem of *Strychnos vanprukii* Craib, a gluco-indole alkaloid, 3,4-dehydropalicoside, and a pimarane diterpenoid, 7β-hydroxypimara-8,15-dien-14-one, were isolated together with 4 other alkaloids.



Phytochemistry, 2003, **64**, 903

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University, Lanzhou, 730000, People's Republic of China

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Chemical structure diagram showing a complex molecule, likely a glycoside or a derivative of a sugar, featuring multiple hydroxyl groups (OH) and a long alkyl chain.