

TABULATED PHYTOCHEMICAL REPORTS

December 1976

This feature was introduced in 1974, for a trial period, for the publication of the occurrence of relatively common or expectable compounds in plants. Although an increasing number of reports have been submitted for inclusion, the Editors have had difficulties in determining the degree of novelty required in such reports and in knowing whether such information is of value to other workers. They have therefore, regretfully decided to discontinue this service and the present series of reports is the last that will be published in the Journal for the time being. Prospective authors should also note that the old-style full phytochemical reports have not been published in the journal during the last year. Such material, if of real biological importance, should now be presented as a contribution to the short reports section of the journal.

The data given here have been abstracted with permission from a full Phytochemical Report submitted by the Reporter and his colleagues. Any reader who wishes to obtain the evidence by which the compounds were identified or any further details can obtain a copy of the original manuscript from the Editors or the Reporters.

Phyla and Family	Species and part	Compounds reported	Reporter
Fungi Mucedinaceae	<i>Aspergillus aureofulgens</i> surface culture	α , β -Dehydro- curvularin	O. Caputo, F. Viola, Istituto di Chimica Farmaceutica, Corso Raffaello 31, Torino, Italia.
Algae Rhodomelaceae	<i>Odonthalia floccosa</i> (Esper) Falkenberg	<i>cis</i> -9-octadecenol, 1-hexacosanol, cholesterol, lanosol, myristic acid	B. Weinstein, T. L. Rold, J. R. Waaland, Depts. Chem. & Bot., Univ. of Washington, Seattle, Washington 98195, U.S.A.
Lichens Stereocaulaceae	<i>Stereocaulon</i> <i>vesuvianum</i> Pers.	Methyl 2,4-dihydroxy- 3,6-dimethyl benzoate,* atranorin, lobaric acid stictic acid	H. Ejiri, U. Sankawa, S. Shibata, Fac. Pharm. Sciences, Univ. Tokyo, Bunkyo-ku, Tokyo, Japan
Usneaceae	<i>Letharia vulpina</i> (L.) Hue	Benzoic acid (first report in lichens)	F. W. Bachelor, U. O. Cherian, Chem. Dept., Univ. Calgary, Alberta, Canada.
Hepaticae (Liverworts) Conocephalaceae	<i>Conocephalum</i> <i>conicum</i>	(+)-Bornyl acetate	Y. Asakawa, M. Toyota, T. Aratani, Chem. Dept., Univ., 730 Hiroshima, Japan
Angiospermae Anacardiaceae	<i>Melanorrhoea aptera</i> (heartwood)	Aureusidin and its 4-methyl ether (rengasin)	K. Ogiyama, M. Yasue, G. Niwa, Faculty Agriculture, Yamagata Univ., Tsuruoka, Japan.

* Identical to a compound previously reported incorrectly in this lichen as 4,6-dihydroxy-2-methoxy-3-methylacetophenone (Bolognese, A., Chioccare, F. and Scherillo, G. (1974) *Phytochemistry* 13, 1989).

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Apocynaceae	<i>Himatanthus articulata</i> Vahl. (bark)	α -Amyrin cinnamate	N. R. Ferrigni, M. Hasegawa, Fac. Farmacia, Universidad Central, Caracas, Venezuela.
	<i>Voacanga africana</i> Stapf (leaves)	loliolide	N. Kunesch, J. Poisson, Centre d'Etudes Pharmaceutiques, F.92290, Châtenay-Malabry, France.
Araceae	<i>Dieffenbachia amoena</i> (stem)	Heptan-2-ol, Nonan-2-ol to Tridecan-2-ol incl., Dodecen-2-ol, Tridecen-2-ol, Octan-1-ol, <i>t</i> -2-octen-1-ol, Nonan-1-ol and 3-nonen-1-ol	L. P. Stoltz, T. R. Kemp, Dept. of Horticulture, Univ. of Kentucky, Lexington, Kentucky 40506, U.S.A.
Balanophoraceae	<i>Balanophora indica</i> Wall. (rhizomes)	Olean-12-en-3, 11- dione, β -amyrin stearate, β -amyrin palmitate, taraxasterol	C. R. Narayanan, A. K. Kulkarni, Nat. Chem., Lab., Poona, 411008, India.
Capparaceae	<i>Capparis baduoca</i> (leaves, wood)	Stachydrine	Y. Hashimoto, A. Kato, Kobe Coll. of Pharmacy Higashinada-ku, Kobe, Japan.
Compositae	<i>Acanthospermum hispidum</i> DC. (whole plant)	Triaccontane, <i>n</i> -butyl eicosanate, <i>n</i> -heptacosanol	S. B. Mathur, L. B. Bejarane, Chem. Dept., Universidad de Oriente, Cumama, Venezuela.
	<i>Eupatorium ballotaefolium</i> H. B. K. (whole plant)	Octacosane, squalene, lupenyl acetate, stigmasterol	S. B. Mathur, E. Torres, (address as above)
	<i>Oyadaea verbesinoides</i> DC. (stem, bark)	β -Caryophyllene, <i>n</i> -heptacosane, (-)-kaur-16-en- 19-oic acid, (-)-kaur-16-en-19-ol	S. B. Mathur, Z. C. Peralto (address as above)
	<i>Carpesium abrotanoides</i> L. (stem, leaves, flowers)	Ivalin (eudesmanolide)	M. Maruyama, A. Karube, Technical College, Akito, Japan 011.
	<i>Senecio nebrodensis</i> L. var. <i>sicula</i> (whole plant)	Integerrimine, Senecionine	S. Plescia, G. Daidone, V. Sprio, Inst. Chimica Farmaceutica, 90123 Palermo, Italia.
	<i>Tagetes patula</i> (seeds)	Lupenone, lupeol, sitosterol, luteolin, quercetagetin, patuletin	D. K. Bhardwaj, S. C. Jain, Chem. Dept., University Delhi 110007, India.

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Cruciferae	<i>Arabis caucasica</i> (flowers)	Kaempferol 3-sophoroside-7-glucoside, Kaempferol and isorhamnetin 3,7-diglucoside, Kaempferol and isorhamnetin 3-glucoside-7-rhamnoside	G. Roth, J. Reichling, K. Egger, Inst. für Pharmazeutische Biologie, Univ. 69 Heidelberg 1, Germany
Ebenaceae	<i>Diospyros lotus</i> L. (fruits)	Abscisic acid (5.2 µg/g fruit), Ursolic acid, Maslinic acid	J. Kakinuma, H. Kakisawa, Chem. Dept., Kyoiku Univ., Otsuka, Tokyo, Japan.
Gentianaceae	<i>Swertia himaculata</i> H.f. & T. (whole plant)	Friedelin, Oleanolic and Ursolic acids	A. Prakash, S. Ghosal, Pharmaceutics Dept., Banaras Hindu Univ., Varanasi 5, India.
	<i>S. chirata</i> Buch-Ham.	β-Amyrin,	
	<i>S. lawii</i> Burkill <i>S. purpurascens</i> Wall	methyl oleanolate, oleanolic and Ursolic acids	
Lauraceae	<i>Ocotea pretiosa</i> (Nees) Mez (wood)	Piperonal, 1-allyl-2-hydroxy- 4,5-methylenedioxy- benzene, elemicin, 3,4-methylenedioxy- cinnamyl alcohol, 3,4-methylenedioxy- cinnamaldehyde	C. J. Aiba, O. R. Gottlieb, M. T. Magalhaes, Inst. de Quimica, Universidade, Sao Paulo, Brazil.
Leguminosae	<i>Afrormosia laxiflora</i> Benth. ex Bak. (stem and bark)	N-methylcytisine, anagyrine	E. K. Adesogan, Chem. Dept., University, Ibadan, Nigeria.
	<i>Hymenaea courbaril</i> L. (stems, leaves)	Astilbin, sitosterol	J. A. Lopez P. L. Schiff, School of Pharmacy, University, Pittsburgh, Penn. 15261, U.S.A.
	<i>Prosopis caldenia</i> Burk. (whole plant)	Isovitexin, vitexin, quercetin	R. A. Giollo, H. R. Juliani, Facultade Ciencias Quimicas, Universidad Nacional de Cordoba, 5000 Cordoba, Argentina.
	<i>P. alba</i> var <i>panta</i> Griseb. (whole plant)	Luteolin, quercetin-3-methyl ether, Isovitexin, Vitexin, Rutin	
Menispermaceae	<i>Sphenocentrum jollyanum</i> Pierre (roots, stems)	Palmatine, jateorrhizine, Columbin, (-)-viburnitol, sitosterol, campesterol, stigmasterol α and β-amyrin	D. Dwuma-Badu, T. U. Okarter, Pharmacognosy Dept., University, Pittsburgh, Penn. 15261, U.S.A.
	(leaves) <i>Triclisia subcordata</i> Oliv. (roots, stems)	Palmatine, Magnoflorine.	
Piperaceae	<i>Piper guineense</i> Schum. & Thonn. (fruits)	Eudesmin	B. L. Sondengam, S. F. Kimbu, Dept. Chem., University, Yaounde, Cameroon.
	(roots)	Tetrahydropiperine	

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Rhizophoraceae	<i>Kandelia candel</i> (stems)	2,6-Dimethoxy- benzoquinone	A. Kato, J. Takahashi, College of Pharmacy, Higashinada-ku, Kobe, Japan.
Sapotaceae	<i>Mimusops littoralis</i> Kurz. (bark)	Taraxerone, taraxerol, ursolic acid, betulinic acid, α -spinasterol.	B. S. Dixit, S. N. Srivastava, National Botanic Gardens, Lucknow, India.
Solanaceae	<i>Physalis angulata</i> L. (whole plant)	Ayanin (quercetin 3,7,4'-trimethyl ether) (first report in this family)	J. A. Lopez, P. L. Schiff, School of Pharmacy, University, Pittsburgh, Penn. 15261, U.S.A.
Thymelaeaceae	<i>Daphne stapfii</i> Bornm. & Keissl. (whole plant)	Daphnin, <i>n</i> -nonacosane, α -amyrin, uvaol.	M. Ikram, F. W. Bachelor, Chem. Dept., University of Calgary, Alberta, Canada.