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[Articles ASAP](#)[Current Issue](#)

August 11, 2010

IN THIS ISSUE:

Volume 58, Issue 15

Pages 8471-8886

- [Analytical Methods](#)
- [Bioactive Constituents](#)
- [Biofuels and Bioproducts Chemistry](#)
- [Chemical Aspects of Biotechnology/Molecular Biology](#)
- [Chemical Changes Induced by Processing/Storage](#)
- [Chemical Composition of Foods/Feeds](#)
- [Crop and Animal Protection Chemistry](#)
- [Environmental Chemistry](#)
- [Flavors and Aromas/Chemosensory Perception](#)
- [Food Chemistry/Biochemistry](#)
- [Molecular Nutrition](#)

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## Analytical Methods

**Purification of Peroxidase from Horseradish (*Armoracia rusticana*) Roots**

Christopher B. Lavery, Morgan C. MacInnis, M. Jason MacDonald, Joanna Bassey Williams, Colin A. Spencer, Alicia A. Burke, David J. G. Irwin and Godwin B. D'Cunha

pp 8471-8476

Publication Date (Web): July 16, 2010 ([Article](#))

DOI: 10.1021/jf100786h

[Abstract](#)

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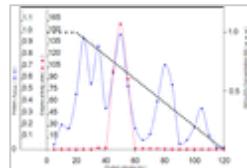


Figure 1 of 5

[Next](#)

**New Analytical Method for Investigating the Antioxidant Power of Food Extracts on the Basis of Their Electron-Donating Ability: Comparison to the Ferric Reducing/Antioxidant Power (FRAP) Assay**

Tung-Sheng Chen, Show-Yih Liou, Hsi-Chin Wu, Fuu-Jen Tsai, Chang-Hai Tsai, Chih-Yang Huang and Yen-Lin Chang

pp 8477-8480

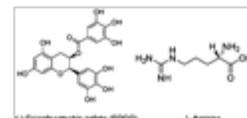
Publication Date (Web): July 8, 2010 ([Article](#))

DOI: 10.1021/jf9044292

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Figure 1 of 4

» Next

## Effect of Sample Size in the Evaluation of “In-Field” Sampling Plans for Aflatoxin B<sub>1</sub>

### Determination in Corn

Carlo Brera, Barbara De Santis, Elisabetta Prantera, Francesca Debegnach, Elena Pannunzi, Floriana Fasano, Clara Berdini, Andrew B. Slate, Marina Miraglia and Thomas B. Whitaker

pp 8481-8489

Publication Date (Web): July 7, 2010 ([Article](#))

DOI: 10.1021/jf1018356

Abstract

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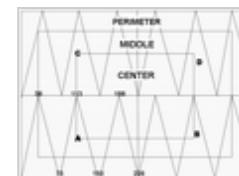


Figure 1 of 6

» Next

## Detection of Six Genetically Modified Maize Lines Using Optical Thin-Film Biosensor Chips

Sulan Bai, Jie Zhang, Shucheng Li, Haodong Chen, William Terzaghi, Xin Zhang, Xiurong Chi, Jin Tian, Hongxia Luo, Wensheng Huang, Ying Chen and Yaochuan Zhang

pp 8490-8494

Publication Date (Web): July 8, 2010 ([Article](#))

DOI: 10.1021/jf100598k

Abstract

-  [Full Text HTML](#)
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## Detection of Honey Adulteration by Sugar Syrups Using One-Dimensional and Two-Dimensional High-Resolution Nuclear Magnetic Resonance

Davide Bertelli, Massimo Lolli, Giulia Papotti, Laura Bortolotti, Giorgia Serra and Maria Plessi

pp 8495-8501

Abstract

-  [Full Text HTML](#)
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Publication Date (Web): July 14, 2010 ([Article](#))

DOI: 10.1021/jf101460t

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## Hapten Synthesis and Polyclonal Antibody-Based Immunoassay Development for the Analysis of Forchlorfenuron in Kiwifruit

Celia Suárez-Pantaleón, Josep V. Mercader, Consuelo Agulló, Antonio Abad-Somovilla and Antonio Abad-Fuentes\*

pp 8502-8511

Publication Date (Web): July 16, 2010 ([Article](#))

DOI: 10.1021/jf101660z

[Abstract](#) | [Supporting Info](#)

 Full Text HTML

 Hi-Res PDF[1447K]

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## Bioactive Constituents

### Key Role of Fe<sup>2+</sup> in Epithiospecifier Protein Activity

David J. Williams, Christa Critchley, Sharon Pun, Mridusmita Chaliha and Timothy J. O'Hare

pp 8512-8521

Publication Date (Web): July 7, 2010 ([Article](#))

DOI: 10.1021/jf904532n

[Abstract](#)

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### Pressurized Liquid Extraction as an Alternative Process To Obtain Antiviral Agents from the Edible Microalga Chlorella vulgaris

Susana Santoyo, Merichel Plaza, Laura Jaime, Elena Ibañez, Guillermo Reglero and Francisco J. Señorans

pp 8522-8527

Publication Date (Web): July 9, 2010 ([Article](#))

DOI: 10.1021/jf100369h

[Abstract](#)

 Full Text HTML

 Hi-Res PDF[905K]

 PDF w/ Links[751K]

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### Antihepatocarcinoma Activity of Lactic Acid Bacteria Fermented Panax notoginseng

[Abstract](#)

Yu-Wei Lin, Yu-Chen Mou, Chen-Chiang Su and Been-Huang Chiang

pp 8528-8534

Publication Date (Web): July 14, 2010 ([Article](#))

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 Full Text HTML

 Hi-Res PDF[1356K]

 PDF w/ Links[838K]

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**Polysaccharides PS-G and Protein LZ-8 from Reishi (*Ganoderma lucidum*) Exhibit Diverse Functions in Regulating Murine Macrophages and T Lymphocytes**

[Abstract](#) | [Supporting Info](#)

Chen-Hao Yeh, Hsiao-Chin Chen, Jeng-Je Yang, Wen-I Chuang and Fuu Sheu

 Full Text HTML

pp 8535-8544

 Hi-Res PDF[3719K]

Publication Date (Web): July 21, 2010 ([Article](#))

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DOI: 10.1021/jf100914m

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**Host–Guest System of Nimbin and  $\beta$ -Cyclodextrin or Its Derivatives: Preparation, Characterization, Inclusion Mode, and Solubilization**

[Abstract](#) | [Supporting Info](#)

Li-Juan Yang, Bo Yang, Wen Chen, Rong Huang, Sheng-Jiao Yan and Jun Lin

 Full Text HTML

pp 8545-8552

 Hi-Res PDF[2904K]

Publication Date (Web): July 20, 2010 ([Article](#))

 PDF w/ Links[1014K]

DOI: 10.1021/jf101079e

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**Characterization of Microalgal Carotenoids by Mass Spectrometry and Their Bioavailability and Antioxidant Properties Elucidated in Rat Model**

[Abstract](#)

A. Ranga Rao, R. L. Raghunath Reddy, V. Baskaran, R. Sarada and G. A. Ravishankar

 Full Text HTML

pp 8553-8559

 Hi-Res PDF[799K]

Publication Date (Web): July 13, 2010 ([Article](#))

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**Tremetone and Structurally Related Compounds in White Snakeroot (*Ageratina altissima*): A Plant Associated with Trembles and Milk Sickness**

[Abstract](#)



Stephen T. Lee, T. Zane Davis, Dale R. Gardner, Steven M. Colegate, Daniel Cook, Benedict T. Green, Kimberly

A. Meyerholtz, Christina R. Wilson, Bryan L. Stegelmeier and Tim J. Evans

pp 8560-8565

Publication Date (Web): July 20, 2010 ([Article](#))

DOI: 10.1021/jf1012456

 Full Text HTML

 Hi-Res PDF[954K]

 PDF w/ Links[773K]

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[Abstract](#) | [Supporting Info](#)

Masaya Yamaguchi, Isao Hasegawa, Nobuo Yahagi, Yasuhito Ishigaki, Fumihide Takano and Tomihisa Ohta

pp 8566-8572

Publication Date (Web): July 14, 2010 ([Article](#))

DOI: 10.1021/jf101295y

 Full Text HTML

 Hi-Res PDF[1235K]

 PDF w/ Links[944K]

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[Abstract](#)

### **Increased Anti-inflammatory Potential through Interference with COX-2 Enzyme Activity**

Carlie A. LaLone, Nan Huang, Ludmila Rizshsky, Man-Yu Yum, Navrozedeep Singh, Cathy Hauck, Basil J. Nikolau,

 Full Text HTML

Eve S. Wurtele, Marian L. Kohut, Patricia A. Murphy and Diane F. Birt

 Hi-Res PDF[3932K]

pp 8573-8584

 PDF w/ Links[1108K]

Publication Date (Web): July 20, 2010 ([Article](#))

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[Abstract](#)

Angela Cardinali, Nunzia Cicco, Vito Linsalata, Fiorenza Minervini, Sandra Pati, Maria Pieralice, Nunzia Tursi and

 Full Text HTML

Vincenzo Lattanzio

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pp 8585-8590

 PDF w/ Links[724K]

Publication Date (Web): July 16, 2010 ([Article](#))

DOI: 10.1021/jf101437c

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### **Black-Tea Polyphenols Decrease Micellar Solubility of Cholesterol in Vitro and Intestinal**

[Abstract](#)

## Absorption of Cholesterol in Rats

Ikuo Ikeda, Takashi Yamahira, Masaki Kato and Ayako Ishikawa

pp 8591-8595

Publication Date (Web): July 15, 2010 ([Article](#))

DOI: 10.1021/jf1015285

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## Antiplatelet Activity of $\alpha$ -Lipoic Acid

Yuan-Shu Lai, Ching-Yu Shih, Yu-Feng Huang and Tz-Chong Chou

pp 8596-8603

Publication Date (Web): July 20, 2010 ([Article](#))

DOI: 10.1021/jf101518p

Abstract

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## Investigation into the Physicochemical Stability and Rheological Properties of $\beta$ -Carotene Emulsion Stabilized by Soybean Soluble Polysaccharides and Chitosan

Zhanqun Hou, Yanxiang Gao, Fang Yuan, Yuwei Liu, Chunlin Li and Duoxia Xu

pp 8604-8611

Publication Date (Web): July 20, 2010 ([Article](#))

DOI: 10.1021/jf1015686

Abstract

 Full Text HTML

 Hi-Res PDF[953K]

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## Structure-Activity Relationship of Karrikin Germination Stimulants

Gavin R. Flematti, Adrian Scaffidi, Ethan D. Goddard-Borger, Charles H. Heath, David C. Nelson, Lucy E.

Commander, Robert V. Stick, Kingsley W. Dixon, Steven M. Smith and Emilio L. Ghisalberti

pp 8612-8617

Publication Date (Web): July 9, 2010 ([Article](#))

DOI: 10.1021/jf101690a

Abstract

 Full Text HTML

 Hi-Res PDF[1074K]

 PDF w/ Links[865K]

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## Bioactive Saponin from Tea Seed Pomace with Inhibitory Effects against Rhizoctonia solani

Abstract

Ping-Chung Kuo, Tsung-Chun Lin, Cheng-Wei Yang, Chih-Lung Lin, Guo-Feng Chen and Jenn-Wen Huang



pp 8618-8622

Publication Date (Web): July 15, 2010 ([Article](#))

DOI: 10.1021/jf1017115

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## Glycrrhizic Acid and 18 $\beta$ -Glycyrrhetic Acid Inhibit Inflammation via PI3K/Akt/GSK3 $\beta$ Signaling and Glucocorticoid Receptor Activation

Tzu-Chien Kao, Ming-Huan Shyu and Gow-Chin Yen

pp 8623-8629

Publication Date (Web): July 14, 2010 ([Article](#))

DOI: 10.1021/jf101841r

[Abstract](#)

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 [PDF w/ Links](#)[913K]

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## Biofuels and Bioproducts Chemistry

### Microbial Conversion of Olive Oil Mill Wastewaters into Lipids Suitable for Biodiesel Production

Abu Yousuf, Filomena Sannino, Veria Addorisio and Domenico Pirozzi

pp 8630-8635

Publication Date (Web): July 14, 2010 ([Article](#))

DOI: 10.1021/jf101282t

[Abstract](#)

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## Chemical Aspects of Biotechnology/Molecular Biology

### Advanced Glycation End Products Down-regulate Gap Junctions in Human Hepatoma SKHep 1 Cells via the Activation of Src-Dependent ERK1/2 and JNK/SAPK/AP1 Signaling Pathways

Feng L. Lin, Chi I. Chang, Kuo Pin Chuang, Chi Y. Wang and Hung J. Liu

[Abstract](#)

 [Full Text HTML](#)

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pp 8636-8642

Publication Date (Web): July 14, 2010 ([Article](#))

DOI: 10.1021/jf904240c

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### **Apoptotic Effect of Quercetin on HT-29 Colon Cancer Cells via the AMPK Signaling Pathway**

Hyeong-Jin Kim, Sang-Ki Kim, Byeong-Soo Kim, Seung-Ho Lee, Young-Seok Park, Byung-Kwon Park, So-Jung Kim, Jin Kim, Changsun Choi, Jong-Suk Kim, Sung-Dae Cho, Ji-Won Jung, Kyong-Hwan Roh, Kyung-Sun Kang and Ji-Youn Jung

pp 8643-8650

Publication Date (Web): July 21, 2010 ([Article](#))

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Abstract

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### **Genes and Biochemical Characterization of Three Novel Chlorophyllase Isozymes from**

***Brassica oleracea***

Guan-Chiun Lee, Hanna Chepyshko, Hsiu-Hui Chen, Chih-Chieh Chu, Yi-Fan Chou, Casimir C. Akoh and Jei-Fu Shaw

pp 8651-8657

Publication Date (Web): July 16, 2010 ([Article](#))

DOI: 10.1021/jf1016384

Abstract

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### **Maintaining Quality of Litchi Fruit with Acidified Calcium Sulfate**

Chien Y. Wang, Hangjun Chen, Peng Jin and Haiyan Gao

pp 8658-8666

Publication Date (Web): July 8, 2010 ([Article](#))

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Abstract

-  Full Text HTML
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## Effect of Migrant Size on Diffusion in Dry and Hydrated Polyamide 6

Abstract

Nikolaos B. Hatzigrigoriou, Constantine D. Papaspyrides, Catherine Joly and Patrice Dole

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Publication Date (Web): July 20, 2010 ([Article](#))

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## Effects of Roasting on Taste-Active Compounds of Turkish Hazelnut Varieties (*Corylus avellana L.*)

Abstract

Cesarettin Alasalvar, Ebru Pelvan and Ryszard Amarowicz

pp 8674-8679

Publication Date (Web): July 13, 2010 ([Article](#))

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## Sugar Conversion Induced by the Application of Heat to Grape Must

Abstract

Pasquale M. Falcone, Davide Tagliazucchi, Elena Verzelloni and Paolo Giudici

pp 8680-8691

Publication Date (Web): July 14, 2010 ([Article](#))

DOI: 10.1021/jf101110s

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## Carotenoid Stability during Production and Storage of Tomato Juice Made from Tomatoes with Diverse Pigment Profiles Measured by Infrared Spectroscopy

Abstract

Daniel E. Rubio-Diaz, Alejandra Santos, David M. Francis and Luis E. Rodriguez-Saona

pp 8692-8698

Publication Date (Web): July 14, 2010 ([Article](#))

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Hsiu-Chen Huang, Kai-Yang Syu and Jen-Kun Lin

pp 8699-8708

Publication Date (Web): July 20, 2010 ([Article](#))

DOI: 10.1021/jf101003v

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Aicha O. Cherif, Hajar Trabelsi, Mhamed Ben Messaouda, Belhassen Kâabi, Isabelle Pellerin, Sadok Boukhchina, Habib Kallel and Claude Pepe

pp 8709-8714

Publication Date (Web): July 20, 2010 ([Article](#))

DOI: 10.1021/jf101254u

[Full Text HTML](#) [Hi-Res PDF\[800K\]](#) [PDF w/ Links\[773K\]](#) [Subscriber Access](#)**Chemical Profiling of Lentil (*Lens culinaris* Medik.) Cultivars and Isolation of Compounds**[Abstract](#) | [Supporting Info](#)

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pp 8715-8721

Publication Date (Web): July 9, 2010 ([Article](#))

DOI: 10.1021/jf101412y

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MS : Identification of Seven New Classes of Compounds**

Rakesh Jaiswal, Maria Alexandra Patras, Pinkie Jacob Eravuchira and Nikolai Kuhnert

pp 8722-8737

Publication Date (Web): July 20, 2010 ([Article](#)) [Full Text HTML](#) [Hi-Res PDF\[2553K\]](#) [PDF w/ Links\[1193K\]](#)

DOI: 10.1021/jf1014457

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## Metabolomic Assessment of Fermentative Capability of Soybean Starter Treated with High Pressure

Bong-Kuk Ko, Ki Myong Kim, Young-Shick Hong and Cherl-Ho Lee

pp 8738-8747

Publication Date (Web): July 21, 2010 ([Article](#))

DOI: 10.1021/jf101994u

[Abstract](#) | [Supporting Info](#)

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### Analysis of Phosphorothionate Pesticides Using a Chloroperoxidase Pretreatment and Acetylcholinesterase Biosensor Detection

Clarisse B. S. Roepcke, Susanne B. Muench, Holger Schulze, Till Bachmann, Rolf D. Schmid and Bernhard Hauer

pp 8748-8756

Publication Date (Web): July 9, 2010 ([Article](#))

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[Abstract](#)

[Addition/Correction](#)

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## Environmental Chemistry

### Metabolism of 2,2',4,4'-Tetrabromodiphenyl Ether (BDE-47) in Chickens

Heldur Hakk, Janice K. Huwe, Kris Murphy and Drew Rutherford

pp 8757-8762

Publication Date (Web): July 16, 2010 ([Article](#))

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**Inhibitory Kinetics of  $\beta$ -N-Acetyl-d-glucosaminidase from Green Crab (*Scylla serrata*) by Zinc Ion**

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**On the Losses of Dissolved CO<sub>2</sub> during Champagne Serving**

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Gérard Liger-Belair, Marielle Bourget, Sandra Villaume, Philippe Jeandet, Hervé Pron and Guillaume Polidori

pp 8768-8775

Publication Date (Web): July 13, 2010 ([Article](#))

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**New Criterion for Evaluation of Honey: Quantification of Royal Jelly Protein Apalbumin 1 in Honey by ELISA**

[Abstract](#)

Katarína Bíliková and Jozef Simušík

pp 8776-8781

Publication Date (Web): July 20, 2010 ([Article](#))

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[Abstract](#)

Pongsagon Pothavorn, Kasipong Kitdamrongsont, Sasivimon Swangpol, Siripope Wongniam, Kanokporn Atawongsa, Jisnuson Svasti, and Jamorn Somana  
pp 8782-8787  
Publication Date (Web): July 20, 2010 (Article)  
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Addition/Correction

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**Comparison of Different Sources and Degrees of Hydrolysis of Dietary Protein: Effect on Plasma Amino Acids, Dipeptides, and Insulin Responses in Human Subjects**

Masashi Morifuji, Mihoko Ishizaka, Seigo Baba, Kumiko Fukuda, Hitoshi Matsumoto, Jinichiro Koga, Minoru Kanegae and Mitsuru Higuchi  
pp 8788-8797  
Publication Date (Web): July 8, 2010 (Article)  
DOI: 10.1021/jf101912n

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**Ling-Zhi Polysaccharides Potentiate Cytotoxic Effects of Anticancer Drugs against Drug-Resistant Urothelial Carcinoma Cells**

Chao-Yuan Huang, Jeff Yi-Fu Chen, Jia-En Wu, Yeong-Shiau Pu, Guang-Yaw Liu, Min-Hsiung Pan, Ying-Tang Huang, A-Mei Huang, Chi-Ching Hwang, Shu-Ju Chung and Tzyh-Chyuan Hour  
pp 8798-8805  
Publication Date (Web): July 13, 2010 (Article)  
DOI: 10.1021/jf1020158

Abstract

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-  PDF w/ Links[1088K]



**Isolation and Structural Determination of Steroidal Glycosides from the Bulbs of Easter Lily (*Lilium longiflorum* Thunb.)**

John P. Munafo, Jr., Ahalya Ramanathan, Leslie S. Jimenez and Thomas J. Gianfagna  
pp 8806-8813  
Publication Date (Web): July 20, 2010 (Article)  
DOI: 10.1021/jf101410d

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-  PDF w/ Links[864K]



**Oxovitisins: A New Class of Neutral Pyranone-anthocyanin Derivatives in Red Wines**

Jingren He, Joana Oliveira, Artur M. S. Silva, Nuno Mateus and Victor De Freitas

pp 8814-8819

Publication Date (Web): July 8, 2010 ([Article](#))

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[Abstract](#)

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**Phenolic Antioxidants from the Leaves of *Camellia pachyandra* Hu.**

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pp 8820-8824

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**Chromatographic Separation and Tandem MS Identification of Active Peptides in Potato Protein Hydrolysate That Inhibit Autoxidation of Soybean Oil-in-Water Emulsions**

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Yu Cheng, Jie Chen and Youling L. Xiong

pp 8825-8832

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