

Contents 5/08

Molecular Nutrition Food Research

Bioactivity & Safety
Microbiology

Immunology
Chemistry

Review

**Cancer chemoprevention and chemotherapy:
Dietary polyphenols and signalling pathways**

Sonia Ramos 507

Research Article

6-Shogaol induces apoptosis in human colorectal carcinoma cells via ROS production, caspase activation, and GADD 153 expression

Min-Hsiung Pan, Min-Chi Hsieh, Jen-Min Kuo, Ching-Shu Lai, Hou Wu, Shengmin Sang and Chi-Tang Ho 527

Research Article

Inhibitory effects of *trans*-resveratrol analogs molecules on the proliferation and the cell cycle progression of human colon tumoral cells

Anna-Kristina Marel, Gérard Lizard, Jean-Claude Izard, Norbert Latruffe and Dominique Delmas 538

Research Article

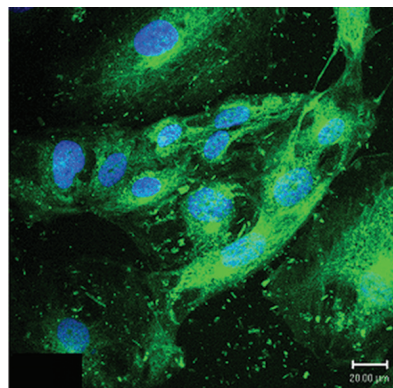
Quantification of free and protein-bound *trans*-resveratrol metabolites and identification of *trans*-resveratrol-C/O-conjugated diglucuronides – Two novel resveratrol metabolites in human plasma

Alexander Burkon and Veronika Somoza 549

Research Article

The potential of sphingomyelin as a chemopreventive agent in AOM-induced colon cancer model: *wild-type* and *p53*^{+/-} mice

Ying Hu, Richard K. Le Leu, Damien Belobrajdic and Graeme P. Young 558



Research Article

Enterolactone restricts the proliferation of the LNCaP human prostate cancer cell line *in vitro*

Mark J. McCann, Chris I. R. Gill, Trevor Linton, D. Berrar, Hugh McGlynn and Ian R. Rowland 567

Research Article

Unsaturated fatty acids liberated from VLDL cause apoptosis in endothelial cells

Michael Reinbold, Birgit Hufnagel, Tobias Kewitz, Susanne Klumpp and Josef Kriegelstein 581

Research Article

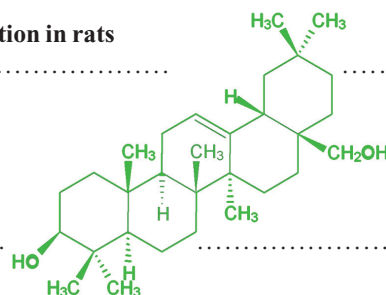
Effect of artichoke extract (*Cynara scolymus* L.) on palmitic-1-¹⁴C acid oxidation in rats

Zygmunt Juzyszyn, Boguslaw Czerny, Andrzej Pawlik and Marek Drozdziak 589

Research Article

Erythrodiol, a natural triterpenoid from olives, has antiproliferative and apoptotic activity in HT-29 human adenocarcinoma cells

M. Emilia Juan, Uwe Wenzel, Hannelore Daniel and Joana M. Planas 595



Research Article

Fate of ¹⁴C-acrylamide in roasted and ground coffee during storage

Matthias Baum, Nadine Böhm, Jessica Görlitz, Ingo Lantz, Karl Heinz Merz, Rüdiger Ternité and Gerhard Eisenbrand 600

Research Article

**S100B Protein concentration in milk-formulas for preterm and term infants
Correlation with industrial preparation procedures
Identification and quantification of methylglyoxal as the dominant antibacterial constituent of Manuka (*Leptospermum scoparium*) honeys from New Zealand**

Francesco Nigro, Luigi Gagliardi, Sabina Ciotti, Fabio Galvano, Amedeo Pietri,
 Gabriella Lucia Tina, Daniela Cavallaro, Luca La Fauci, Leonardo Iacopino,
 Matteo Bognanno, Giovanni Li Volti, Antonio Scacco, Fabrizio Michetti and
 Diego Gazzolo 609

Research Article

**DGGE and real-time PCR analysis of lactic acid bacteria in
bacterial communities of the phyllosphere of lettuce**

Jutta Zwielehner, Michael Handschur, Astrid Michaelsen, Selen Irez,
 Michael Demel, Ewald B. M. Denner and Alexander G. Haslberger 614

Errata 624