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THERAPEUTIC DISCOVERY

2859 I-387, a Novel Antimitotic Indole, Displays a Potent In vitro and In vivo Antitumor Activity with Less Neurotoxicity
Sunjoo Ahn, Charles B. Duke III, Christina M. Barrett, Dong Jin Hwang, Chien-Ming Li, Duane D. Miller, and James T. Dalton

2869 The Synthetic Caged Garcinia Xanthone Cluvenone Induces Cell Stress and Apoptosis and Has Immune Modulatory Activity
Ayse Batova, Diego Altomare, Oraphin Chantarasriwong, Kari L. Ohlsen, Kim E. Creek, You-Chin Lin, Amy Messersmith, Alice L. Yu, John Yu, and Emmanuel A. Theodorakis

2879 Cucurbitacin I Suppressed Stem-Like Property and Enhanced Radiation-Induced Apoptosis in Head and Neck Squamous Carcinoma-Derived CD44+ALDH1+ Cells
Yi-Wei Chen, Kuan-Hsuan Chen, Pin-I Huang, Yu-Chih Chen, Guang-Yu Chiu, Wen-Liang Lo, Ling-Ming Tseng, Han-Sui Hsu, Kuo-Wei Chang, and Shih-Hwa Chiou

2893 PUMA Induction by FoxO3a Mediates the Anticancer Activities of the Broad-Range Kinase Inhibitor UCN-01
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2903 Adamantyl-Substituted Retinoid-Related Molecules Induce Apoptosis in Human Acute Myelogenous Leukemia Cells

2914 Paclitaxel-Dependent Cell Lines Reveal a Novel Drug Activity
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2924 Reovirus Virotherapy Overrides Tumor Antigen Presentation Evasion and Promotes Protective Antitumor Immunity
Shashi A. Gujar, Paola Marcato, Da Pan, and Patrick W.K. Lee

2934 A Novel Human Dynactin-Associated Protein, dynAP, Promotes Activation of Akt, and Ergosterol-Related Compounds Induce dynAP-Dependent Apoptosis of Human Cancer Cells
Tatsuki Kunoh, Takamori Noda, Koichi Koseki, Masayuki Sekigawa, Motoki Takagi, Kazuo Shin-ya, Naoki Goshima, Shun-ichiro Jemura, Tohru Natsume, Shu-ichi Wada, Yukio Mukai, Shinji Ohta, Ryuzo Sasaki, and Tamio Mizukami

2943 A MicroRNA Screen to Identify Modulators of Sensitivity to BCL2 Inhibitor ABT-263 (Navitoclax)
Lloyd T. Lam, Xin Lu, Haichao Zhang, Rick Lesniewski, Saul Rosenberg, and Dimitri Semizarov

2951 Knockdown of Inwardly Rectifying Potassium Channel Kir2.2 Suppresses Tumorigenesis by Inducing Reactive Oxygen Species–Mediated Cellular Senescence
Inkyoung Lee, Chaehwa Park, and Won Ki Kang

2960 Antitumor Effect of Temsirolimus against Oral Squamous Cell Carcinoma Associated with Bone Destruction
Tatsuho Okui, Tsuyoshi Shimo, Takuya Fukazawa, Naito Kurio, Nur Mohammad Monsur Hassan, Tatsuki Honami, Munenori Takaoka, Yoshio Naomoto, and Akira Sasaki

2970 Expression and Silencing of the Microtubule-Associated Protein Tau in Breast Cancer Cells
Tatiana Spicakova, Maureen M. O’Brien, George E. Duran, Alejandro Sweet-Cordero, and Branimir I. Sikic
Cis-dichlorodiammineplatinum Upregulates Angiotensin II Type 1 Receptors through Reactive Oxygen Species Generation and Enhances VEGF Production in Bladder Cancer Nobuyuki Tanaka, Akira Miyajima, Takeo Kosaka, Suguru Shirotake, Masanori Hasegawa, Eiji Kikuchi, and Mototsugu Oya

PRECLINICAL DEVELOPMENT


Inhalation Delivery of a Novel Diindolylmethane Derivative for the Treatment of Lung Cancer Nkechi Ichite, Mahavir Chougule, Apurva R. Patel, Tanise Jackson, Stephen Safe, and Mandip Singh

Nanaomycin A Selectively Inhibits DNMT3B and Reactivates Silenced Tumor Suppressor Genes in Human Cancer Cells Dirk Kuck, Thomas Caulfield, Frank Lyko, and Jose L. Medina-Franco


Targeted Delivery of Saporin Toxin by Monoclonal Antibody to the Transcobalamin Receptor, TCbIR/CD320 Edward V. Quadros, Yasumi Nakayama, and Jeffrey M. Sequeira

RITA Inhibits Multiple Myeloma Cell Growth through Induction of p53-Mediated Caspase-Dependent Apoptosis and Synergistically Enhances Nutlin-Induced Cytotoxic Responses Manujendra N. Saha, Hua Jiang, Asuka Mukai, and Hong Chang


Real-time Fluorescent Resonance Energy Transfer Analysis to Monitor Drug Resistance in Chronic Myelogenous Leukemia Ahmet Tuncanoglu, Michiyuki Matsuda, and Raymond B. Birge

Chemopreventive Effects of Pioglitazone on Chemically Induced Lung Carcinogenesis in Mice Yian Wang, Michael James, Weidong Wen, Yan Lu, Eva Szabo, Ronald A. Lubet, and Ming You

Exon 7 Deletion in the bcr-abl Gene Is Frequent in Chronic Myeloid Leukemia Patients and Is Not Correlated with Resistance against Imatinib Jean-Baptiste Gaillard, Cécile Arnould, Sophie Bravo, Daniel Donadio, Carole Exbrayat, Eric Jourdan, Dorothée Reboul, Jean Chiesa, and Thierry Lavabre-Bertrand


LETTERS TO THE EDITOR

Ascofuranone: A Possible Therapeutic Tool for Autosomal Dominant Polycystic Kidney Disease? – Letter Vincenzo Cardinale and Domenico Alvaro

Therapeutic Possibility of Ascofuranone for Autosomal Dominant Polycystic Kidney Disease – Response Ji-Hak Jeong, Junji Magae, and Young-Chae Chang
Paclitaxel-dependent mutant Tax 11-6 has a mutation in α-tubulin that disrupts microtubule assembly, prevents cytokinesis, and leads to cells that are large and multinucleated. Live cell imaging showed that the disrupted cytoskeleton arose from an increased frequency of microtubule detachment from centrosomes and spindle poles. The presence of paclitaxel prevented microtubule detachment and allowed proliferation as normal diploid cells. For details, see the article by Ganguly and colleagues on page 2914.