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Biochemical Pharmacology





1-12

13-21

Biochemical Pharmacology, Volume 80, issue 1, 1 July 2010 Contents

COMMENTARY

Functionally selective cannabinoid receptor signalling: Therapeutic implications and opportunities

Barbara Bosier, Giulio G. Muccioli, Emmanuel Hermans, Didier M. Lambert

Pharmacological manipulation
Estracellular environment

Proceptor dimerisation
Interaction with "GPCR modifier proteins"
Preorganisation of cell signalling partners
Cell-type specific expression of effections
Post-transcriptional fransiational modifications

Aut. 20

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New molecular targets for the treatment of osteoarthritis

Maria José Alcaraz, Javier Megías, Isabel García-Arnandis, Victoria Clérigues, Maria Isabel Guillén

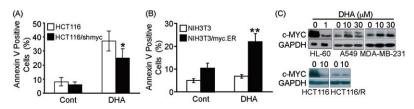
inflammatory processes OAS signaling pathways hatrix synthesis

ANTIBIOTICS AND CHEMOTHERAPEUTICS

Dihydroartemisinin accelerates c-MYC oncoprotein degradation and induces apoptosis in c-MYC-overexpressing tumor cells

22-30

Jin-Jian Lu, Ling-Hua Meng, Uma T. Shankavaram, Cai-Hua Zhu, Lin-Jiang Tong, Guang Chen, Li-Ping Lin, John N. Weinstein, Jian Ding



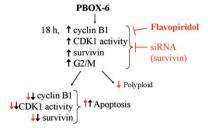
doi:10.1016/S0006-2952(10)00269-8

e2 Contents

Sequential treatment with flavopiridol synergistically enhances pyrrolo-1,5-benzoxazepine-induced apoptosis in human chronic myeloid leukaemia cells including those resistant to imatinib treatment

31-38

Sandra A. Bright, Giuseppe Campiani, Michael W. Deininger, Mark Lawler, D. Clive Williams, Daniela M. Zisterer

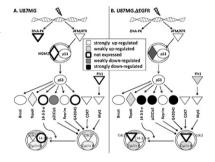


Inhibition of epidermal growth factor receptor-overexpressing cancer cells by camptothecin, 20-(N,N-diethyl) glycinate

39-49

V. Badireenath Konkimalla, Thomas Efferth

Camptothecin, 20-(N,N-diethyl) glycinate exerts preferential cytotoxicity towards *EGFR*-transfectant cells. G2/M DNA damage checkpoint regulation, aryl hydrocarbon receptor signaling, xenobiotic metabolism and endoplasmatic reticulum stress are involved.

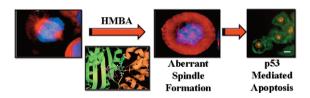


HMBA depolymerizes microtubules, activates mitotic checkpoints and induces mitotic block in MCF-7 cells by binding at the colchicine site in tubulin

50-61

Biswa Prasun Chatterji, Mithu Banerjee, Parminder Singh, Dulal Panda

HMBA inhibits mitosis by binding at the colchicine site in tubulin



Induction of p53-independent apoptosis by a novel synthetic hexahydrocannabinol analog is mediated via Sp1-dependent NSAID- activated gene-1 in colon cancer cells

62 - 71

Dinesh Thapa, Dinesh Babu, Min-A. Park, Mi-Kyoung Kwak, Yong-Rok Lee, Jeong Min Kim, Taeg Kyu Kwon, Jung-Ae Kim

Proposed mechanism of action of a hexahydrocannabinol analog LYR-8 which induces p53-independent apoptosis via Sp-1-dependent NAG-1 activation in colon cancer cells.

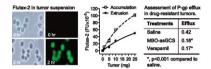


Contents e3

Direct assessment of P-glycoprotein efflux to determine tumor response to chemotherapy

72-79

Gauri Patwardhan, Vineet Gupta, Juowen Huang, Xin Gu, Yong-Yu Liu

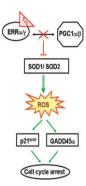


Troglitazone is an estrogen-related receptor α and γ inverse agonist

80 - 85

Yanfei Wang, Fang Fang, Chi-Wai Wong

Troglitazone functions as an ERR α/γ inverse agonist, suppressing their interactions with PGC-1 coactivators, reducing SOD1/2 expression, and enhancing ROS production to induce p21^{WAF}/GADD45 α expression arresting cell cycle.

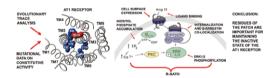


CARDIOVASCULAR PHARMACOLOGY

An Angiotensin II type 1 receptor activation switch patch revealed through Evolutionary Trace analysis

86-94

Marie Mi Bonde, Rong Yao, Jian-Nong Ma, Srinivasan Madabushi, Stig Haunsø, Ethan S. Burstein, Jennifer L. Whistler, Søren P. Sheikh^f, Olivier Lichtarge, Jakob Lerche Hansen

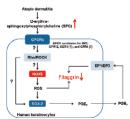


Inflammation and Immunopharmacology

Sphingosylphosphorylcholine down-regulates filaggrin gene transcription through NOX5-based NADPH oxidase and cyclooxygenase-2 in human keratinocytes

95-103

Hyun Choi, Shinhyoung Kim, Hyoung-June Kim, Kwang-Mi Kim, Chang-Hoon Lee, Jennifer H. Shin, Minsoo Noh



e4 Contents

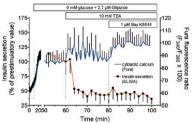
METABOLIC DISORDERS AND ENDOCRINOLOGY

The signalling role of action potential depolarization in insulin secretion. Metabolism-dependent dissociation between action potential increase and secretion increase by TEA

104-112

M. Willenborg, H. Ghaly, K. Hatlapatka, K. Urban, U. Panten, I. Rustenbeck

When K_{ATP} channels are closed in the absence of glucose TEA still blocks Kv channels and increases cytosolic Ca^{2+} , but inhibits insulin secretion. This cannot be overcome by Bay K8644.

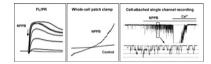


NEUROPHARMACOLOGY

NPPB structure-specifically activates TRPA1 channels

113-121

Kun Liu, Manoj Samuel, Melisa Ho, Richard K. Harrison, Jeff W. Paslay

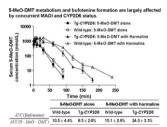


PHARMACOKINETICS AND DRUG METABOLISM

Effects of monoamine oxidase inhibitor and cytochrome P450 2D6 status on 5-methoxy-N,N-dimethyltryptamine metabolism and pharmacokinetics

122-128

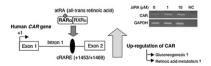
Hong-Wu Shen, Chao Wu, Xi-Ling Jiang, Ai-Ming Yu



Constitutive androstane/active receptor is a target of retinoic acid receptor in humans

129-135

Kosuke Saito, Kaoru Kobayashi, Yuki Mizuno, Tomomi Furihata, Kan Chiba



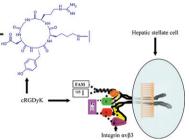
Contents e5

PULMONARY, RENAL AND HEPATIC PHARMACOLOGY

Biochemical characterization of the binding of cyclic RGDyK to hepatic stellate cells

136-143

Xiao-wei Huang, Ji-Yao Wang, Feng Li, Zheng-Ji Song, Cao Xie, Wei-Yue Lu

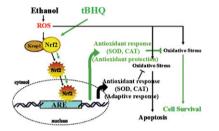


Toxicology

Induction of the Nrf2-driven antioxidant response by tert-butylhydroquinone prevents ethanol-induced apoptosis in cranial neural crest cells

144-149

Dong Yan, Jian Dong, Kathleen K. Sulik, Shao-yu Chen



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