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Biochemical Pharmacology





Biochemical Pharmacology, Volume 77, issue 10, 15 May 2009 Contents

COMMENTARY

Non-ATP competitive protein kinase inhibitors as anti-tumor therapeutics

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Linking anemia to inflammation and cancer: The crucial role of TNF α

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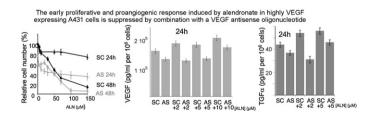
Isabelle Buck, Franck Morceau, Christina Grigorakaki, Mario Dicato and Marc Diederich

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Impact of alendronate and VEGF-antisense combined treatment on highly VEGF-expressing A431 cells

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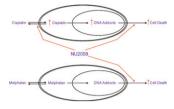


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The kinase inhibitor O^6 -cyclohexylmethylguanine (NU2058) potentiates the cytotoxicity of cisplatin by mechanisms that are independent of its effect upon CDK2

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Luke R.E. Harrison, Christopher J. Ottley, D. Graham Pearson, Céline Roche, Stephen R. Wedge, M. Eileen Dolan, David R. Newell and Michael J. Tilby

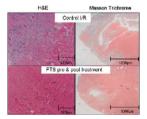


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Ras inhibition attenuates myocardial ischemia- reperfusion injury

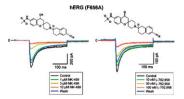
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Rakefet Pando, Yelena Cheporko, Ronit Haklai, Sofia Maysel-Auslender, Gad Keren, Jacob George, Eyal Porat, Alex Sagie, Yoel Kloog and Edith Hochhauser



Analogs of MK-499 are differentially affected by a mutation in the S6 domain of 1602–1611 the hERG K+ channel

Jerzy Karczewski, Jixin Wang, Stefanie A. Kane, Laszlo Kiss, Kenneth S. Koblan, J. Christopher Culberson and Robert H. Spencer Mutation of the S6 pore residue F656A in the hERGchannel dramatically reduces the potency of MK-499 but does not reduce the potency of the ketoneanalog L-702,958.



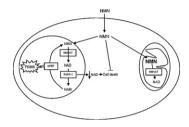
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Carolina I. Ghanem, María L. Ruiz, Silvina S.M. Villanueva, Marcelo Luquita, Susana Llesuy, Viviana A. Catania, Laura A. Bengochea and Aldo D. Mottino

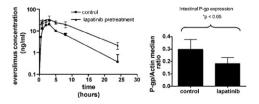


Disposition of everolimus in mdr1a-/1b-mice and after a pre-treatment of lapatinib in Swiss mice

1629-1934

C. Chu, C. Abbara, M.S. Noël-Hudson, L. Thomas-Bourgneuf, P. Gonin, R. Farinotti and L. Bonhomme-Faivre

Lapatinib increases 2.5-fold everolimus AUC in mice. A 38.5% decrease of P-gp expression was observed in duodenum with a lapatinib pre-treatment. An inhibition of CYP 450 could not be excluded.



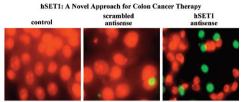
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hSET1: A novel approach for colon cancer therapy

1635-1641

Sushma Yadav, Jyotsana Singhal, Sharad S. Singhal and Sanjay Awasthi

hSET1, a key element of histone-methyl transferases complex, has been shown to be a novel target for colon cancer therapy.



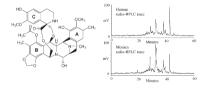
hSET1, a key element of histone-methyl transferases complex, has been shown to be a novel target for colon cancer therapy.

In vitro studies on the metabolism of trabectedin (YONDELIS®) in monkey and man, including human CYP reaction phenotyping

1642-1654

Marc Vermeir, Alex Hemeryck, Filip Cuyckens, Andres Francesch, Marc Bockx, Jos Van Houdt, Kathleen Steemans, Geert Mannens, Pablo Avilés and Roland De Coster

The in vitro metabolism of ¹⁴C-trabectedin is qualitatively similar in monkey and man. Biotransformation occurs predominantly at its A subunit. At clinically relevant levels, CYP3A4 is the main CYP involved.



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