

In this issue

Research Article

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A Pharmacokinetic Analysis and Pharmacogenomic Study of 6-mercaptopurine

Published On: May 23, 2015 | Pages: 002 - 007

Author(s): Vicha A, Katsila T, Giannopoulou E, Leontari H, El Mubarak M, Gravia A, Chondrou V, Symeonidis A, Patrinos GP, Kalofonos HP and Sivolapenko G*

Background: The efficacy and safety of 6-mercaptopurine (6-MP) therapy rely on the concentration of its metabolites. The aim of the current study is the pharmacokinetic analysis of 6-MP and the detection of its metabolites as well as the role of Thiopurine S-methyl transferase (TPMT), the enzyme associated with 6-MP metabolism, as a pharmacogenomics biomarker. ...

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Review Article

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Advancements in Microemulsion Based Drug Delivery Systems for Better Therapeutic Effects

Published On: August 31, 2015 | Pages: 008 - 015

Author(s): Gyanesh Kumar Sahu, Harish Sharma, Anshita Gupta and Chanchal Deep Kaur*

Abstract Recent progress in combinatorial drug has led to the generation of a large number of new compounds. microemulsions are versatile systems of great technological and scientific interest to the researchers because of their potential to incorporate a wide range of drug molecules (hydrophilic and hydrophobic) due to the pres ...

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Editorial

Heat Shock Protein 90 c-Terminal Inhibitors in Cancer Treatment

Published On: May 16, 2015 | Pages: 001 - 001

Author(s): Yusuf Tutar*

Editorial Heat shock protein 90 (Hsp90) is 90 kDa highly conserved dimeric chaperone protein in prokaryotic and eukaryotic cells and it is localized in different parts of the cell. Hsp90AA1 (inducible) and Hsp90AB1 (constitutive) are available in the cytosol; Grp94 and TRAP1 exist in endoplasmic reticulum and mitochondria; respectively. In unstressed cells, express ...

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[DOI: 10.17352/ijpsdr.000001](#)