A Pharmacokinetic Analysis and Pharmacogenomic Study of 6-mercaptopurine

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


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. ...
Heat Shock Protein 90 c-Terminal Inhibitors in Cancer Treatment

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

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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 ...