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Research Article

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Analysis of the mechanism underlying the effects of cyclophosphamide against triple-negative breast cancer by an integrative bioinformatics approach

Published On: December 24, 2021 | Pages: 006 - 015

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Patients with Triple-Negative Breast Cancer (TNBC), a highly heterogeneous and invasive subtype of breast cancer, do not benefit from hormonal therapy or trastuzumab; therefore, chemotherapy is considered the only option. We explored the effect of the chemotherapeutic drug cyclophosphamide (Cytoxan; Cy) on TNBC by an integrated bioinformatics approach. Methods: Pharm ...

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Short Communication

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The use of pentoxifylline in male reproduction abnormalities

Published On: August 10, 2021 | Pages: 003 - 005

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Pentoxifylline a derivative of methylxanthine and nonspecific inhibitor of the phosphodiesterase with vasodilatory properties and rheological properties on blood that made it useful in the treatment of intermittent claudication. Pentoxifylline also has an immunomodulatory effect which inhibits inflammatory cytokines including tumor necrosis factor- α . The aim of th ...

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Opinion

Is it possible to perform molecular hybridization between acetaminophen and nitric oxide donor molecule?

Published On: March 09, 2021 | Pages: 001 - 002

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Paracetamol (Acetaminophen) belongs to the class of Non-Steroidal Anti-Inflammatory Drugs (NSAIDs), having an analgesic, antipyretic and mild anti-inflammatory action due to a weak inhibitory action on cyclooxygenase isoenzymes, COX-1 and COX-2. These isoenzymes are responsible for the synthesis of prostanoids that have several physiological effects, such as: vasodila ...

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[DOI: 10.17352/ijpsdr.000033](#)