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Explore Pharmacology Graduate Studies in Pharmacology American Society for Pharmacology and Experimental Therapeutics www.aspet.org 2016 Edition

Explore Pharmacology

Introduction to Enzymes The following has been excerpted from a very popular Worthington publication which was originally published in 1972 as the Manual of Clinical Enzyme Measurements.

Introduction to Enzymes - Worthington Biochemical

The Rosy Periwinkle (*Catharanthus roseus*, Apocynaceae) represents a classical example of the importance of plants used by local peoples. This herbaceous plant, native to southeastern Madagascar, is the source of over 75 alkaloids, two of which are used to treat childhood leukaemia and Hodgkin's disease with a very high rate of success.

Medicinal plants: Traditions of yesterday and drugs of

Cancer cells rewire their metabolism to promote growth, survival, proliferation, and long-term maintenance. The common feature of this altered metabolism is the increased glucose uptake and fermentation of glucose to lactate. This phenomenon is observed even in the presence of completely functioning mitochondria and, together, is known as the "Warburg Effect".

The Warburg Effect: How Does it Benefit Cancer Cells

You are here Biopharmaceutical Glossary homepage/Search > Biology > -Omes & -omics - biopharmaceutical -Omes and -omics glossary & taxonomy Evolving terminology for emerging technologies Comments? Revisions? Suggestions? Mary Chitty MSLS mchitty@healthtech.com Last revised October 25, 2018

Biopharmaceutical -Omes & -omics glossary taxonomy

In pharmacology, the term mechanism of action (MOA) refers to the specific biochemical interaction through which a drug substance produces its pharmacological effect. A mechanism of action usually includes mention of the specific molecular targets to which the drug binds, such as an enzyme or receptor. Receptor sites have specific affinities for drugs based on the chemical structure of the ...

Mechanism of action - Wikipedia

S. Niemelä*, S. Miettinen, J.R. Sarkanen and N. Ashammakhi Summary Human adipose tissue represents an abundant, practical and appealing source of donor tissue for autologous cell replacement. Recent results have shown that stem cells within the stromal-vascular

Adipose Tissue and Adipocyte Differentiation: Molecular

The effects of cannabis are caused by the chemical compounds in the plant, including cannabinoids, such as tetrahydrocannabinol (THC), which is only one of more than 100 different cannabinoids present in the plant. Cannabis has various psychological and physiological effects on the human body.. Different plants of the genus Cannabis contain different and often unpredictable concentrations of ...

Effects of cannabis - Wikipedia

Nitroreductases: Enzymes with Environmental, Biotechnological and Clinical Importance Iuri Marques de Oliveira¹, Diego Bonatto^{1,2} and João Antonio Págas Henriques*^{1,2} ¹Centro de Biotecnologia, Universidade Federal do Rio Grande do Sul (UFRGS), Av. Bento Gonçalves 9500, 91507-970 Porto Alegre, RS, Brazil ²Instituto de Biotecnologia, Universidade de Caxias do Sul (UCS), Rua Francisco Getúlio ...

Nitroreductases: Enzymes with Environmental

Aging is associated with a decline in mitochondrial function and the accumulation of abnormal mitochondria. However, the precise mechanisms by which aging promotes these mitochondrial alterations and the role of the latter in aging are still not fully understood. Mitochondrial dynamics is a key process regulating mitochondrial function and quality.

Mitochondrial Dynamics: Coupling Mitochondrial Fitness

ABSTRACT With the development of molecular marker technology in the 1980s, the fate of plant breeding has changed. Different types of molecular markers have been developed and advancement in sequencing technologies has geared crop improvement. To explore the knowledge about molecular markers, several reviews have been published in the last three decades; however, all these reviews were meant ...

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