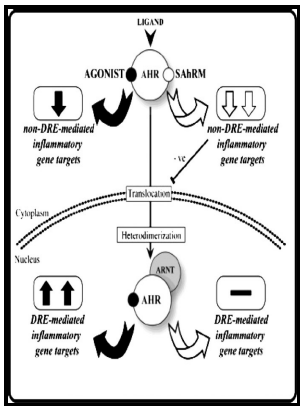
Mechanism of inhibition of gap junctional communication by the nongenotoxic carcinogen nafenopin

University of Birmingham - Mechanisms of non



Description: -
-Mechanism of inhibition of gap junctional communication by the nongenotoxic carcinogen nafenopin
-Mechanism of inhibition of gap junctional communication by the nongenotoxic carcinogen nafenopin
Notes: Thesis (Ph.D) - University of Birmingham, School of Biochemistry, Faculty of Science, 1998.
This edition was published in 1997

Tags: #Inhibition #of #gap

1. Mechanisms of the Prooxidative Activity of Mercury

Hormetic effects were observed at low exposure levels based on the dose—response pattern with data from developmental toxicity studies, indicating that there might actually be a reduced risk of toxic effects at low exposure levels. Consequent production of toxic metabolites cyanotoxins has become a health and ecological problem worldwide. Cell culture assays for chemicals with tumor-promoting or tumor-inhibiting activity based on the modulation of intercellular communication Cell Biology and Toxicology 1994 10 2 71 116 10.

Inhibition of gap junctional intercellular communication in heptachlor

This ruled out a direct involvement of Hg 2+ in the oxidative modification of the thiol-based redox buffering rather suggesting Hg 2+-mediated modification of specific catalytic reactions controlling the ROS homeostasis.

Carcinogenesis and Epigenetics

An average value of 30 measurements for each treatment 10 measurements per dish was regarded as the migration of dye in the cell cultures.

The effect of acrylonitrile on gap junctional intercellular communication in rat astrocytes

Furthermore, the ToxPi profiles and accompanying rank order demonstrated potential for read-across between carcinogen classes, indicating some separation between GCs and NGCs, with GCs generally inducing greater responses for these endpoints. In vitro effects of selenite and mercuric chloride on liver thiobarbituric acid-reactive substances and non-protein thiols from rats: influences of dietary cholesterol and polyunsaturated and saturated fatty acids Nutrition 2003 19 6 531 535 10. All values are represented as means ± S.

Different mechanisms of modulation of gap junction communication by non

Cell proliferation rates at low doses were found to be decreased. Bystander effects are considered to be induced by radiation in non-irradiated cells when an extracellular signal produced by a radiation-targeted cell is received by a non-hit cell, or by gap junctional direct transfer of some

radiation-induced signals.

Inhibition of gap

One major class of cyanotoxins are the cyclic heptapeptides, microcystins, which are known to induce hepatotoxic and liver tumor-promoting activities that has attracted broad scientific and regulatory attention ;. However, recent studies document that other metabolites present in the complex cyanobacterial water blooms may also have adverse health effects. A second study was conducted with α-BHC applied to F344 rats at doses of 0.

1. Mechanisms of the Prooxidative Activity of Mercury

HIV , 16 mixtures i.

Metabolites of benzene are potent inhibitors of gap

The indirect nature of the mechanisms involved means that prolonged exposure to high levels of chemicals is necessary for the production of tumors. Cell morphology and gene expression alterations proved particularly sensitive for environmental carcinogen identification. This is further converted in H 2O 2 by the mitochondrial isoform of the superoxide dismutase SOD 2.

Related Books

- Financial statements for the year to 31 July 1997.
- Private investors guide to L.T.O.M. - London traded options market and LIFFE
- Through C to C++ - a complete programming course
- Angling.
- Sulayman Khāṭir - al-salām, al-Mūsād, al-mawt