

# Glutathione S-transferases And Drug Resistance

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Drug Resistance in Cancer Therapy - Google Books Result The major roles of glutathione (GSH) and glutathione S-transferases (GSTs) in the detoxification of xenobiotics predicts their important role in drug resistance. The role of glutathione-S-transferase in anti-cancer drug resistance. Molecular Genetics of Drug Resistance - Google Books Result Drug Resistance in Leukemia & - Google Books Result Reversal of Multiple Drug Resistance in Cholangiocarcinoma by the . resistance mechanism in which the glutathione S-transferases (GST) may play a role. The anthracycline antibiotic doxorubicin is one of the most useful. Microsomal glutathione transferase 1 in anticancer drug resistance Glutathione and Glutathione S-Transferases in Drug Resistance . Crystallographic structure of glutathione S-transferase from *Anopheles cracens*. . in the development of cancer and its potential resistance to drug treatment. Mechanisms of Drug Resistance in Neoplastic Cells: Bristol-Myers . - Google Books Result Glutathione S-conjugates as prodrugs to target drug-resistant tumors . to reduced glutathione (GSH) catalyzed by the glutathione-S-transferase (GST). Expression of P-glycoprotein, multidrug resistance-associated . Cancer Treat Res. 1989;48:171-87. Glutathione S-transferase and drug resistance. Cazenave LA, Moscow JA, Myers CE, Cowan KH. GST isozymes are an Rational Design of Platinum(IV) Compounds to Overcome . Rapid development of glutathione-S-transferase-dependent drug . Anticancer Drug Resistance: Advances in Molecular and Clinical . - Google Books Result 3The abbreviations used are: GST, glutathione S-transferase; GSH, glutathione . GLUTATHIONE S-TRANSFERASES AND DRUG RESISTANCE. &. R-X. + GSH. The role of glutathione-S-transferase in anti-cancer drug resistance Glutathione and Glutathione S-Transferases in Drug Resistance. S65 no pic Date: 2006. Publication Name: Cancer Drug Discovery and Development Glutathione S-conjugates as prodrugs to target drug-resistant tumors Microsomal glutathione transferase 1 in anticancer drug resistance. Katarina .. Glutathione S-Transferases and resistance to alkylating agents. In Hayes, J.D. ?Multiple Drug Resistance in Cancer: Cellular, Molecular and . - Google Books Result Cancer Drug Resistance - Google Books Result Oncogene. 2003 Oct 20;22(47):7369-75. The role of glutathione-S-transferase in anti-cancer drug resistance. Townsend DM(1), Tew KD. Author information: Review Glutathione S-Transferases: Role in . - Cancer Research A strategy to overcome multidrug resistance in cancer cells involves treatment with a combination of the antineoplastic agent and a chemomodulator that inhibits . Glutathione and Glutathione S-Transferases in Drug Resistance pose the glutathione S-transferase electrophile-binding site, followed by . the observed drug resistance, glutathione S-transferases have been shown to Drug Resistance - Google Books Result ?The glutathione S-transferases (GST) represent a major group of detoxification . to resistance to carcinogens, antitumor drugs, environmental pollutants, and used are: GST, glutathione. S-transferase;. SDS, sodium dodecyl sulfate. zymes were associated with acquired resistance to certain anticancer drugs (2), a Genetic polymorphism and function of glutathione S-transferases in . The role of glutathione-S-transferase in anti-cancer drug resistance. Danyelle M Townsend and Kenneth D Tew. 1Department of Pharmacology, Fox Chase Forced evolution of glutathione S-transferase to create a more . Chapter 12 / Glutathione and Glutathione S-Transferases in Drug Resistance. 213. 12. 213. From: Cancer Drug Discovery and Development: Cancer Drug Glutathione and Glutathione S-Transferases in Drug Resistance . This study examines whether glutathione S-transferase-? (GSTP1-1) is involved in resistance to anticancer drugs in cholangiocarcinoma and whether . Inhibition of Glutathione S-Transferases by antimalarial drugs . Drug resistance may be related to intrinsic cell mechanisms, when cells are . in drug resistance in neoplastic cells is glutathione-S-transferase pi (GSTpi), MicroRNA-133b targets glutathione S-transferase ĩ expression to . 6 Aug 2007 . S-transferases in tumor drug resistance. Hui-Wen Lo and Francis Ali-Osman. The human glutathione S-transferase, GSTs, possess both. Glutathione-S-Transferase ?r as a Determinant of Drug Resistance . Exposure of A2780 human ovarian tumor cells to a low concentration of melphalan in vitro for 7 days resulted in the development of melphalan resistance. Glutathione S-transferase and drug resistance. 16 Sep 2015 . MicroRNA-133b targets glutathione S-transferase ĩ expression to of two drug-resistance-related genes: glutathione S-transferase (GST)-ĩ Role of Glutathione S-Transferases in the Resistance of Human . Rapid development of glutathione-S-transferase-dependent drug . 13 Jan 2005 . Rational Design of Platinum(IV) Compounds to Overcome Glutathione-S-Transferase Mediated Drug Resistance. Wee Han Ang , Isam Khalaila Glutathione S-transferase - Wikipedia, the free encyclopedia The Glutathione S-Transferase Supergene Family: Regulation of . Rapid development of glutathione-S-transferase-dependent drug resistance in vitro . Prevention of the development of melphalan resistance by ethacrynic acid.