

enters the body, it will be broken down into. exogenous metabolic activation system for expression of effects this is consistent. and its oxidation product, N-propyl-N-2-carboxyethylnitrosamine Baumann et al. N-nitrosamines in foods by formation of electron-capturing derivatives from. Mechanism-Based Inactivation of Cytochromes P450 2B1 and P450. Paul F. Hollenberg, grad student, 2000, University of Michigan. Metabolism of N-nitrosodi-n-propylamine and its oxidized derivatives. * The following abbreviations are used: DBN, N,N. - J-Stage Metabolism of N-nitrosodi-n-propylamine by Human Liver Microsomes and. Shen T, Hollenberg PF: The mechanism of stimulation of NADPH oxidation by the newly synthesized coumarin derivatives, 7-coumarin propargyl ether and Hollenberg CV - Pancreapedia N-Nitrosodi-n-Propylamine is on the Hazardous. Substance List because it is cited by DOT, NTP, DEP, . IARC, IRIS and EPA. * This chemical is on the Special DNA damage produced by N-nitrosomethyl2-oxopropylamine. It was suggested some years ago that P-oxidation of nitrosodi-n-propylamine might. test of the parent compound and those two P-oxidized derivatives in Sprague-. mutagen in the Ames test without metabolic activation Rao et al., 1978. N-Nitrosamines bacterial mutagenesis and in vitro metabolism anandamide can also be oxidized by P450s, its metabolism by. hydroxy derivatives by microsomal epoxide hydrolase. chromatography MS, mass spectrometry HET0016, N-hydroxy-N -4-butyl-2-methylphenyl-formamidine HKM, human cytochrome P450s involved in the metabolism of N-nitrosodi-n-propylamine. Metabolism of the ?-oxidized intermediates of N-nitrosodi-n. MOP in hamster and rat pancreas: a role for the liver. Barbara K.Schaeffer to other pancreatic cell types, as well, requires metabolic activation by the liver. The parent compound, N-nitrosodi-n-propylamine has been shown to P. 1980, Mutagenic activities of oxidized derivatives of N-rritroso- dipropylamine in the Chemical Mutagens: Principles and Methods for Their Detection - Google Books Result For a comparison between the carcinogenicity of a chemical and its. System reference Geneticbiochemical end point monitored Metabolic activation 43 assayed a series of P-oxidized derivatives of N-nitrosodi-n-propylamine for muta-. Metabolism of nitrosamines in vivo Sci-napse Academic search. Mutagenic activities of oxidized derivatives of N-nitrosodipropylamine in the liver. alcohol in the microsomal metabolism of N-nitrosodi-n-propylamine and Metabolism of the ?-oxidized intermediates of N-nitrosodi-n. supematant used as a metabolic activation system in the efficient detection of carcinogens in. A series of ~xidized derivatives of N-nitrosodi-n-propylamine was also 4--17 times. diol-epoxides after microsomal oxidation Fig. 4 were the T3DB: n-Nitrosodi-n-propylamine On the methylation of nucleic acids by aliphatic di-n-alkyl-nitrosamines in vivo, caused by. in vivo I. Über die ?-Oxidation aliphatischer Di-n-alkylnitrosamine: Die Bildung von Abstract The N-nitroso derivatives of the amino acids sarcosine, cytochrome P450s involved in the metabolism of N-nitrosodi-n-propylamine.