

## 1: AID - CCRIS carcinogenicity studies - PubChem

*A bioassay of 3-sulfolene for possible carcinogenicity was conducted using Osborne-Mendel rats and B6C3F1 mice. 3-Sulfolene in corn oil was administered by gavage, at either of two dosages, to groups of 50 male and 50 female animals of each species.*

Abstract Styrene, a widely used intermediate in the manufacture of plastics, elastomers, and resins, was selected for bioassay by the National Cancer Institute because of the widespread use of this compound and a lack of adequate carcinogenicity data. A bioassay for the possible carcinogenicity of styrene was conducted using Fischer rats and B6C3F1 mice. Styrene was administered by gavage to groups of 50 male and 50 female animals of each species. Forty rats of each sex and twenty mice of each sex were placed on test as vehicle controls. The compound was administered for 78 weeks to high and medium dose rats, for weeks to low dose rats, and for 78 weeks to mice. The period of compound administration was followed by an observation period of 27 weeks for high and medium dose rats, 1 week for low dose rats, and 13 weeks for mice. Mortality among male and female high dose rats was significantly higher than that among their respective vehicle controls. In response to this elevated and early mortality, an additional dosed group of each sex was included in the chronic bioassay. No significant positive association was apparent between dosage and mortality among any other dosed rat groups. For mice, there was a significant positive association between mortality and the dosages of styrene administered to males, but not to females. Adequate numbers of animals in all groups, except for the high dose male and female rats, survived sufficiently long to be at risk from late-developing tumors. Slight dose-related mean body weight depression was apparent when male rats and female mice were compared to their respective vehicle controls, indicating that the dosages administered to these animals during the chronic bioassay may have approximated the maximum tolerated dosages. There was no distinct depression in mean body weight when dosed female rats and dosed male mice were compared to their respective vehicle controls. However, since there was significant accelerated mortality among high dose female rats, it is possible that the dosage administered to the medium dose female rats may have exceeded the maximum tolerated dosage. In male mice, there was a significant positive association between styrene dosage and the incidences of a combination of adenomas and carcinomas of the lung. This finding was supported by the high dose to control Fisher exact comparison. However, the variation of the incidence of these neoplasms in historical control male mice at this laboratory does not permit a firm conclusion of carcinogenicity. There was no significant difference between tumor incidence at any other site in male mice, or at any site in rats or female mice, when dosed groups were compared to vehicle controls. The findings of an increased incidence of a combination of adenomas and carcinomas of the lung provided suggestive evidence for the carcinogenicity of styrene in male B6C3F1 mice. However, it is concluded that, under the conditions of this bioassay, no convincing evidence for the carcinogenicity of the compound was obtained in Fischer rats or B6C3F1 mice of either sex. Levels of Evidence of Carcinogenicity:

## 2: Bioassay of p-cresidine for possible carcinogenicity.

*Note: Citations are based on reference standards. However, formatting rules can vary widely between applications and fields of interest or study. The specific requirements or preferences of your reviewing publisher, classroom teacher, institution or organization should be applied.*

## 3: Staff View: Bioassay of mexacarbate for possible carcinogenicity

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## 4: Bioassay of 2-methylnitroanthraquinone for possible carcinogenicity. - Abstract - Europe PMC

*A bioassay of 3-sulfolene for possible carcinogenicity was conducted using Osborne-Mendel rats and B6C3F1 mice. 3-Sulfolene in corn oil was administered by gavage, at either of two dosages, to*

## 5: Bioassay of 3-sulfolene for possible carcinogenicity (CAS No. ).

*3-Sulfolene is an intermediate in the production of sulfolane, which is used in the petroleum, plastics, and textile industries, and in the synthesis of one of more fungicides or additional chemicals. 3-Sulfolene is also used as a catalyst. A bioassay of 3-sulfolene for possible carcinogenicity was.*

## 6: Bioassay of 4-aminonitrophenol for possible carcinogenicity. - Abstract - Europe PMC

*Bioassay of tris (2,3-dibromopropyl) phosphate for possible carcinogenicity Item Preview phosphate for possible carcinogenicity.*

## 7: Bioassay of chloramben for possible carcinogenicity. - Evergreen Indiana

*Bioassay of dibromochloropropane for possible carcinogenicity Published: () Bioassay of chlorobenzilate for possible carcinogenicity Published: () Bioassay of pentachloronitrobenzene for possible carcinogenicity Published: ().*

## 8: 3-Sulfolene | C4H6O2S - PubChem

*Loveday, K.S., Anderson, B.E., Resnick, M.A., and Zeiger, E. Chromosome aberration and sister chromatid exchange tests in Chinese hamster ovary cells in vitro V.*

## 9: Research and Development: Evaluation of the Potential Carcinogenicity of 1,4-Dioxane ()

*gi 5 bioassay of trichlorofluoromethane for possible carcinogenicity cas no. , report no. ', reports) phs/nih - (used as a reference in ou1 and ou5 ri.*

*The vengeful flames Representing the client Dismantling black manhood Review of Biological Research in Aging Fenland Chronicle Local Government Act 1992, Section 9 Therapists toolbox Garage Sale and Flea Market Annual (6th ed) Cycling Across North America Asan arabic grammar in urdu Fear and the faith factor Basic illustrator tutorials cs6 How to Do Everything with Your Dell Axim Handheld, Second Edition (How to Do Everything) Practicing life skills Puppy in the pocket Advertising and the Artist Ashley Havinden Cactus Island (Stan Turner Mysteries) An episode of colonial history The Ecuadorian jungle Hoovers Handbooks Index 2000 Stars, Galaxies, Cosmology Wild game made easy Organ Music in Print Designing electrical systems based on the 1993 NEC Blevins robert d 2003 applied fluid dynamics handbook The night eternal guillermo del toro The effects of testosterone on avian vocalizations, by R. J. Andrew. Andros Draws the Line (Andros, 1) Essence of Tai Chi 8 Copy Cou Lie Algebras, Madison 1987 Malachi martin windswept house Ascendancy of the heart India (Briefings) Attempt towards a chemical conception of the ether The origin of the Second Amendment Alcohol, teenage drinking Predestination in light of the cross Managing payroll and inventory Immunology and immunopathology Joint energy planning jurisdiction plans*