

United States Patent [19]

Ghio et al.

[11] Patent Number: 5,474,760

[45] Date of Patent: Dec. 12, 1995

[54] METHOD OF INHIBITING OXIDANTS
USING ALKYLARYL POLYETHER
ALCOHOL POLYMERS[75] Inventors: Andrew J. Ghio; Claude A.
Piantadosi, both of Durham, N.C.;
Thomas P. Kennedy, Richmond, Va.

[73] Assignee: Duke University, Durham, N.C.

[21] Appl. No.: 219,770

[22] Filed: Mar. 29, 1994

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 39,732, Mar. 30, 1993,
abandoned.[51] Int. Cl.⁶ A61K 9/12; A61K 31/765[52] U.S. Cl. 424/45; 424/78.37; 514/828;
514/851[58] Field of Search 424/45, 78.37;
514/851, 828

[56] References Cited

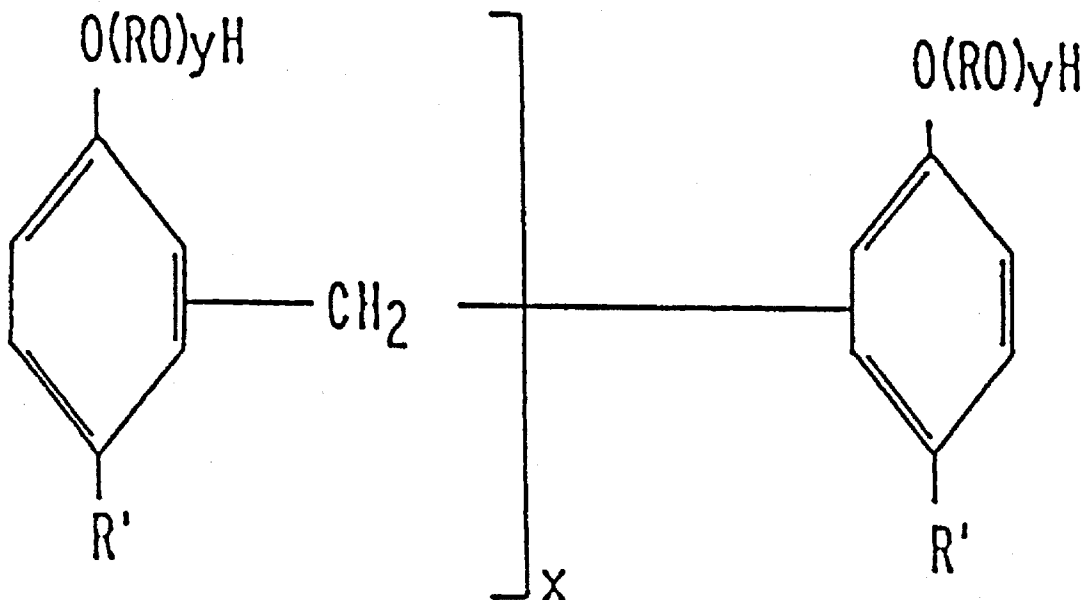
PUBLICATIONS

Robert A. Greenwald, *CRC Handbook of Methods for Oxygen Radical Research*; Determination of HOCl Production by Micloperoxidase; p. 300 (1987).Cantin et al.; *The Journal of Clinical Investigation, Inc.*
Protection by Antibiotics against
Myeloperoxidase-dependent Cytotoxicity to Lung Epithelial
Cells in Vitro; vol. 91, pp. 38-45 (Jan., 1993).Ramsey, et al. *The New England Journal of Medicine*;
Efficacy of Aerosolized Tobramycin in Patients with Cystic
Fibrosis; vol. 328 No. 24 pp. 1740-1746 (Jun. 17, 1993).Vasconcellos, et al. *Science*; Reduction in Viscosity of
Cystic Fibrosis Sputum in Vitro by Gelsolin; vol. 263, pp.
969-971 (Feb. 18, 1994).Primary Examiner—Jyothsna Venkat
Attorney, Agent, or Firm—Richard E. Jenkins

[57] ABSTRACT

A method and medicament for the inhibition of oxidants comprising administering a treatment effective amount of alkylaryl polyether alcohol polymers to a chemical or biologic system in need thereof. The medicament is preferably administered by aerosolization into the mammalian respiratory system. The medicament may also be applied to the mammalian skin. Preferably, the medicament includes a physiologically acceptable carrier which may be selected from the group consisting of physiologically buffered saline, isotonic saline, normal saline, petrolatum based ointments and U.S.P. cold cream.

5 Claims, 5 Drawing Sheets



Petitioner InnoPharma EX 1093

IPR2015-00902

IPR2015-00903

Page 1

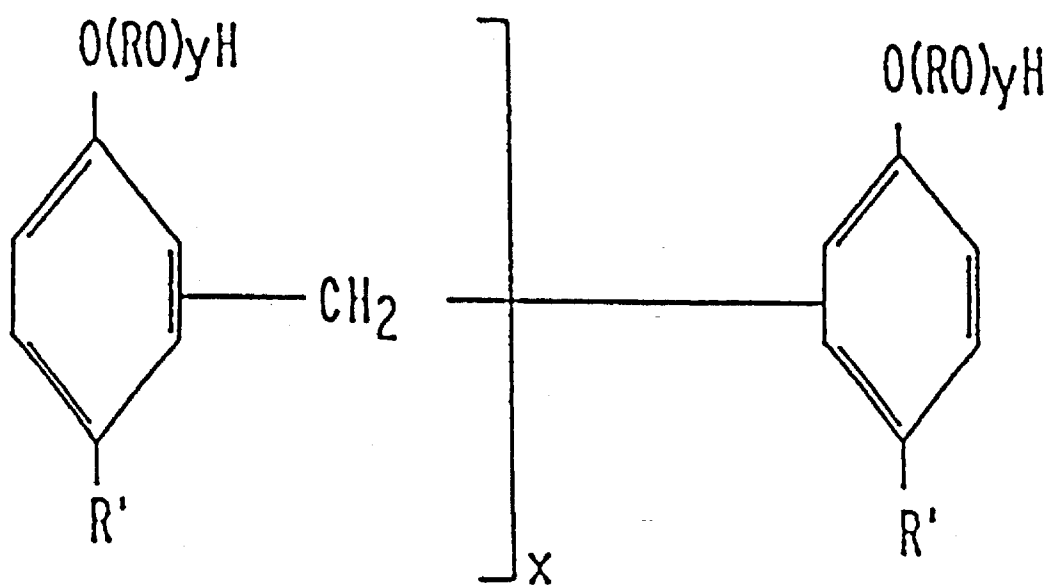


FIG. 1

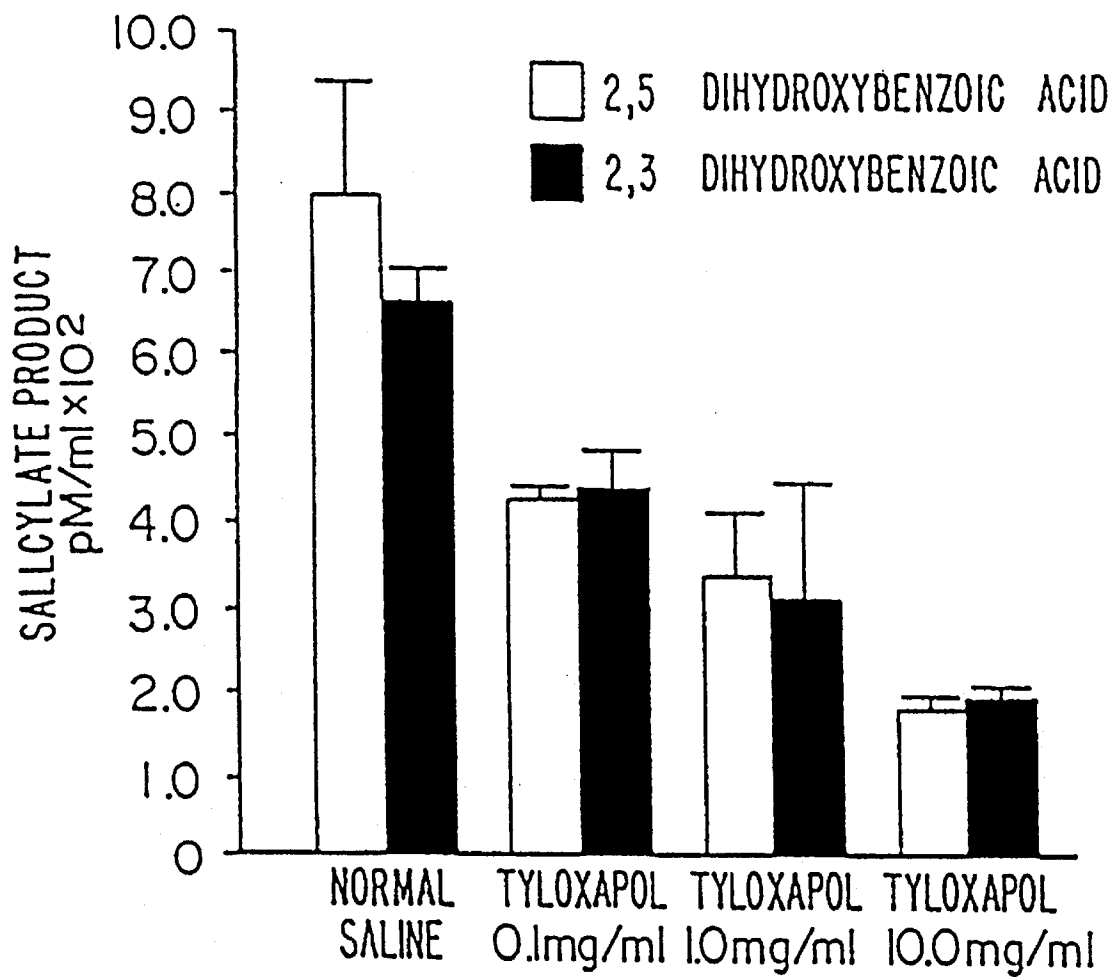


FIG. 2

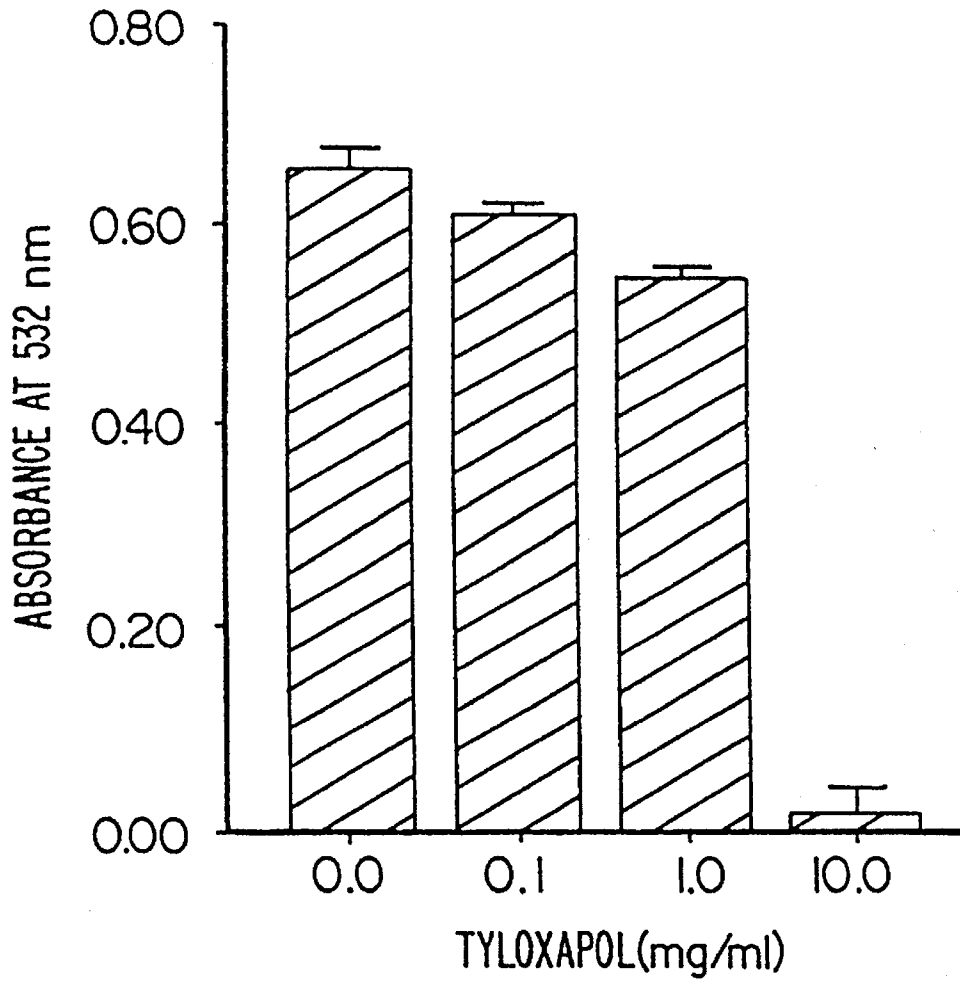


FIG. 3

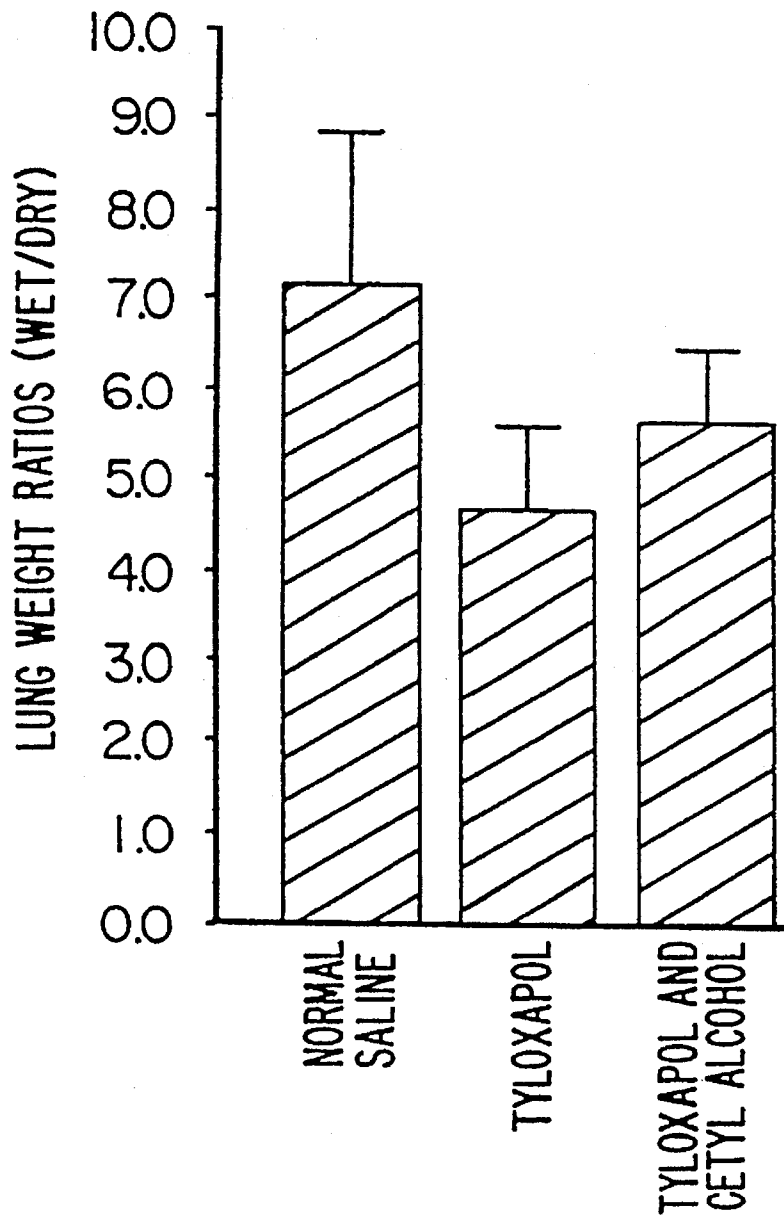


FIG. 4

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.