



[54] METHOD OF INHIBITING OXIDANTS USING ALKYLARYL POLYETHER ALCOHOL POLYMERS

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Related U.S. Application Data

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[52] U.S. Cl. .... 424/45; 424/78.05; 424/78.06; 424/78.08; 424/78.37; 514/887

[58] Field of Search ..... 424/45, DIG. 1, 424/78.03, 78.05, 78.06, 78.37, 78.08; 514/78, 887, 969, 975

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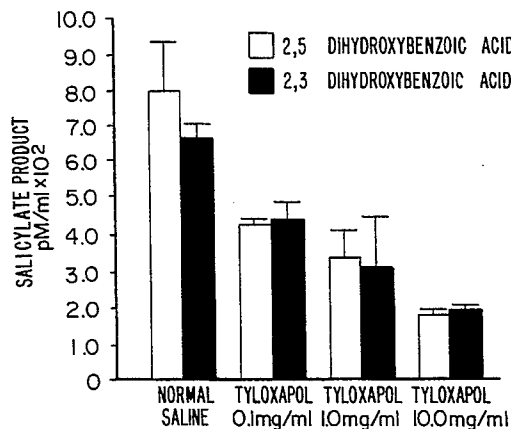
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 Assistant Examiner—Robert H. Harrison  
 Attorney, Agent, or Firm—Richard E. Jenkins

[57] ABSTRACT

The present invention relates to use of alkylaryl polyether alcohol polymers as antioxidants to suppress certain oxidant chemical reactions that cause tissue injury and disease in mammals. Disclosed is a method of inhibiting oxidants using alkylaryl polyether alcohol polymers. More particularly, disclosed is a method for the treatment of mammalian disease entities related to overproduction of partially reduced oxygen species comprising administering to a mammal a treatment effective amount of an alkylaryl polyether alcohol polymer. The mammalian disease entities include, but are not limited to, myocardial infarction, stroke, adult respiratory distress syndrome, oxygen toxicity of the lung, lung injury from asbestos, Parkinson's disease, thermal and solar burns of the skin, and injury to the gastrointestinal tract from nonsteroidal anti-inflammatory agents.

8 Claims, 3 Drawing Sheets



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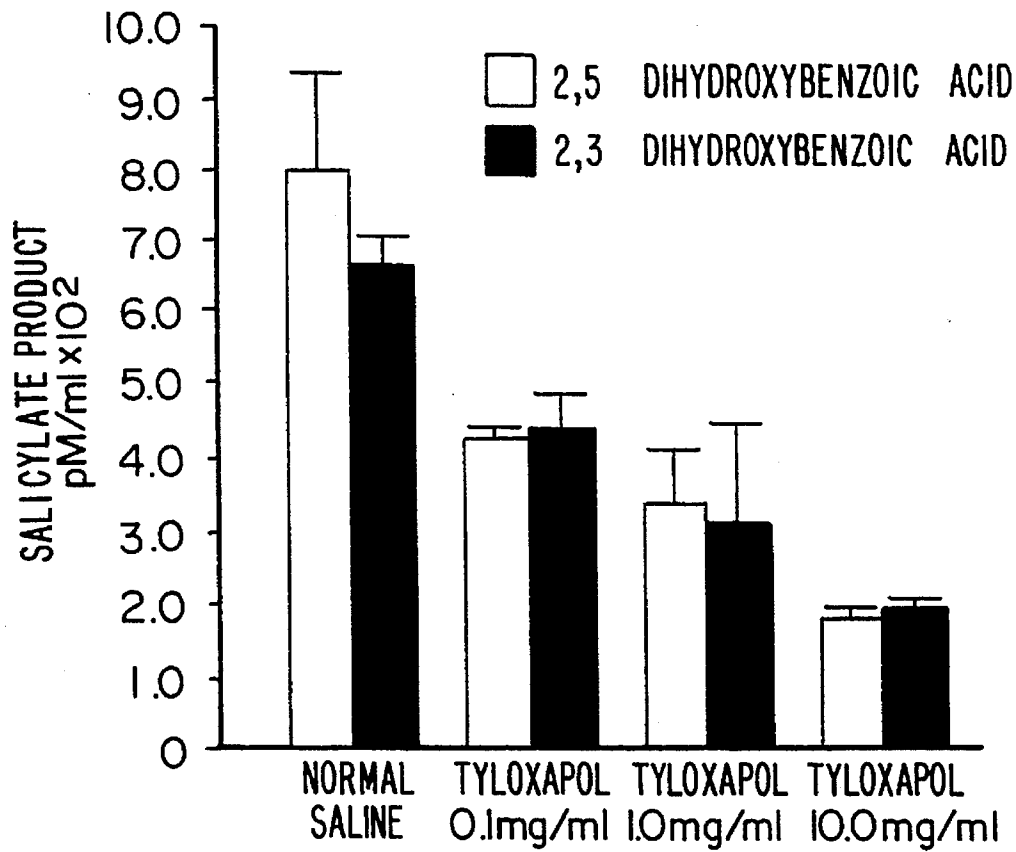


FIG. 1

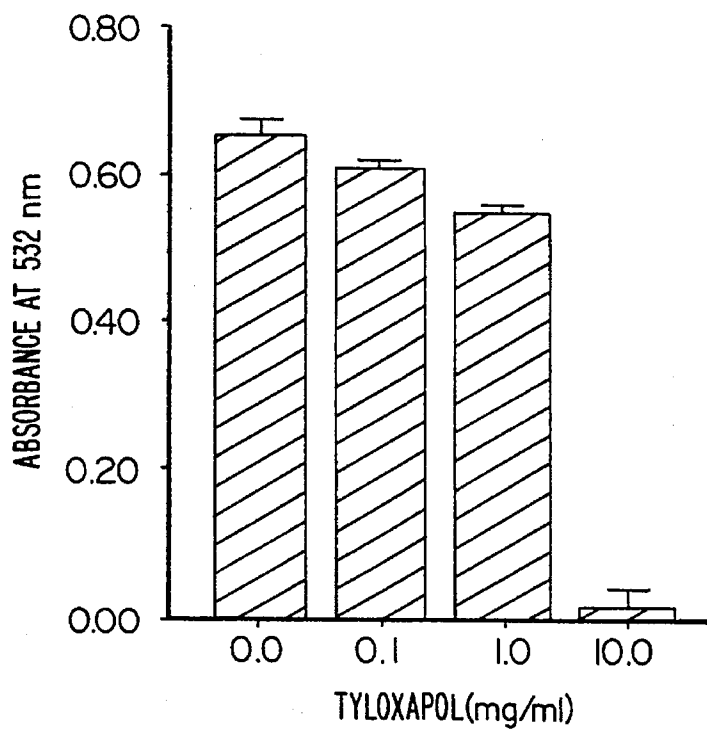


FIG. 2

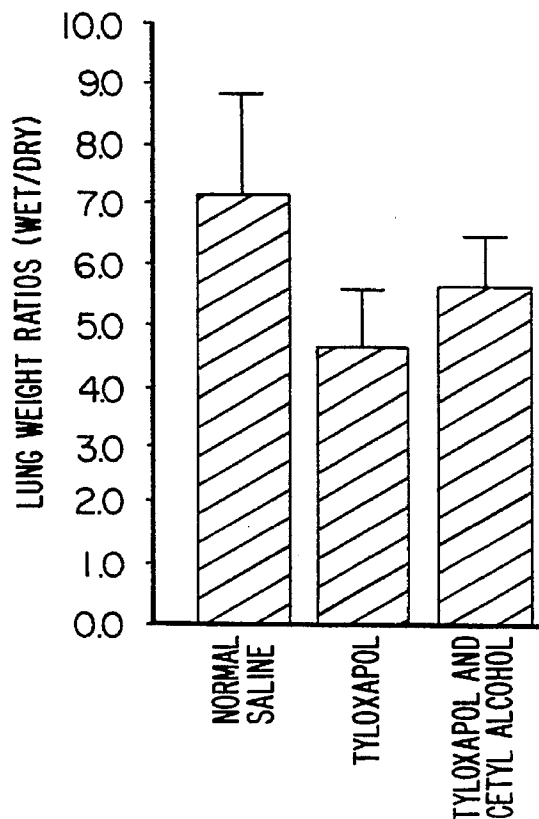


FIG. 3

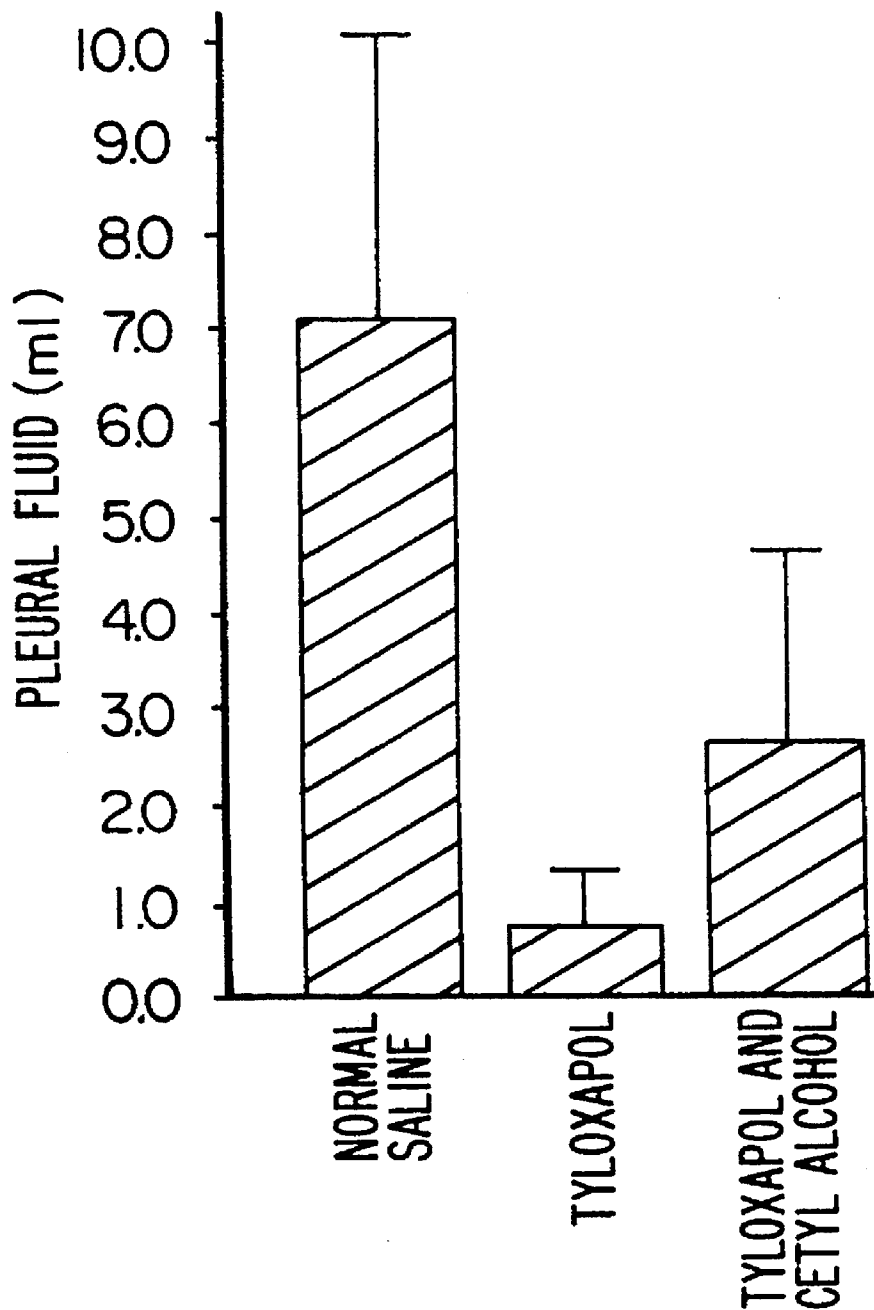


FIG. 4

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