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Food Science and Technology International, Tokyo

Vol. 3 (1997) , No. 2 pp.150-153

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Protective Effects of Epigallocatechin Gallate on Paraquat-Induced Oxidative Stress in Rats

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(Received: September 10, 1996)

The protective effect of epigallocatechin gallate (EGCg) on paraquat-induced oxidative stress was determined in rats. Decreases in food intake, body weight, and triacylglycerol level, which were all caused by being fed a paraquat diet, were prevented by supplementing EGCg in the paraquat diet. Blood and liver antioxidant levels were not significantly different among the control, paraquat, and paraquat + EGCg groups.

rats. The liver thiobarbituric acid reactive substances, however, in the paraquat diet was supplemented with EGCg. These results indicate a preventive fashion against paraquat-induced oxidative stress.

Keywords: [epigallocatechin gallate](#), [oxidative stress](#), [antioxidative thiobarbituric acid reactive substances](#)

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Orie SUZUKI, Yumi ARAKI, Kiharu IGARASHI, Yumiko YOSHIOKA, OKUBO, **Protective Effects of Epigallocatechin Gallate on Paraquat-Induced Oxidative Stress in Rats** *FSTI*. Vol. **3**, 150-153. (1997) .

doi:10.3136/fsti9596t9798.3.150