A Comparative Study on the Genotoxic Effect of Pyrimethamine in **Bone Marrow and Spermatogonial Mice Cells**

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(p < 0.05) at the highest dose.

ing chromosomal aberrations mice were treated acutely (single treatment) with 4 dose levels of pyrimethamine (5, 10, 20 and 40 mg/kg). Pyrimethamine was found to produce a significant increase in structural chromosomal aberrations after acute treatment in bone marrow cells

Key words: Pyrimethamine, Spermatogonial Mitosis, Chromosome Aberrations

pare its mutagenic potential in mammalian spermatogonial and bone marrow cells. For study-

Turkey. E-mail: scelikler@uludag.edu.tr * Author for correspondence and reprint requests Z. Naturforsch. **62c**, 679–683 (2007); received April 17, 2007 Pyrimethamine is an antimalarial agent widely used in clinical therapy. We aimed to com-

of mice (p < 0.001). It also induced chromosome abnormalities in spermatogonial cells