

**NTP Technical Report  
on Toxicity Studies of**

**1,3-Diphenylguanidine**

(CAS No. 102-06-7)

**Administered in Feed  
to F344/N Rats and B6C3F<sub>1</sub> Mice**

**Richard D. Irwin, Ph.D., Study Scientist  
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Post Office Box 12233  
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**NIH Publication 95-3933  
September 1995**

**United States Department of Health and Human Services  
Public Health Service  
National Institutes of Health**

## Note to the Reader

The National Toxicology Program (NTP) is made up of four charter agencies of the United States Department of Health and Human Services (DHHS):

- the National Cancer Institute (NCI) of the National Institutes of Health;
- the National Institute of Environmental Health Sciences (NIEHS) of the National Institutes of Health;
- the National Center for Toxicological Research (NCTR) of the Food and Drug Administration; and
- the National Institute for Occupational Safety and Health (NIOSH) of the Centers for Disease Control.

In July 1981, the Carcinogenesis Bioassay Testing Program was transferred from NCI to NIEHS. NTP coordinates the relevant Public Health Service programs, staff, and resources that are concerned with basic and applied research and with biological assay development and validation.

NTP develops, evaluates, and disseminates scientific information about potentially toxic and hazardous chemicals. This knowledge is used for protecting the health of the American people and for the primary prevention of disease.

NTP designs and conducts studies to characterize and evaluate the toxicologic potential of selected chemicals in laboratory animals (usually two species, rats and mice). Chemicals selected for NTP toxicology studies are chosen primarily on the bases of human exposure, level of production, and chemical structure. Selection per se is not an indicator of a chemical's toxic potential.

The studies described in this toxicity study report were performed under the direction of NIEHS and were conducted in compliance with NTP laboratory health and safety requirements. These studies met or exceeded all applicable federal, state, and local health and safety regulations. Animal care and use were in accord and compliance with the Public Health Service Policy on Humane Care and Use of Animals.

Single copies of this report are available without charge, while supplies last, from the NTP Central Data Management (telephone number 919/541-3419).

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# CONTRIBUTORS

This NTP report on the toxicity studies of 1,3-diphenylguanidine is based primarily on 2-week studies conducted in June and July 1989 and on 13-week studies that began in February 1990 and ended in June 1990 at Microbiological Associates, Inc., Bethesda, MD.

## **National Toxicology Program**

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## PEER REVIEW

The draft report on the toxicity studies of 1,3-diphenylguanidine was evaluated in March 1994 by the reviewers listed below. These reviewers serve as independent scientists, not as representatives of any institution, company, or governmental agency. In this capacity, reviewers determine if the design and conditions of these NTP studies are appropriate and ensure that this toxicity study report presents the experimental results and conclusions fully and clearly.

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