



# Research Institute for Fragrance Materials, Inc.

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## *RIFM PRESS RELEASE*

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### **ARTICLE ON CHROMOGENIC DERIVATIVES OF AHTN PUBLISHED IN *FOOD AND CHEMICAL TOXICOLOGY***

Woodcliff Lake, New Jersey (September 7, 2004)—Anne Marie Api, Ph.D., Scientific Director for the Research Institute for Fragrance Materials (RIFM), has had her article, “Chromogenic derivatives of AHTN (6-Acetyl-1,1,2,4,4,7-hexamethyltetralin) react with amino acids and protein in vitro. Spectral characteristics of the colour products.” published in *Food and Chemical Toxicology* 2004, 42:785-790. Her co-authors on the paper include scientists from the University of Torino (Dr. Sandra Pipino, Dr. Nicoletta Pons and Prof. Francesco De Matteis) and a member of the RIFM Expert Panel, Prof. Robert L. Smith.

6-Acetyl-1,1,2,4,4,7-hexamethyltetralin (AHTN) is a widely-used fragrance ingredient belonging to the tetralin class of polycyclic musks. Three chromogenic products of AHTN were detected after photo-oxidation. The color produced by the chromogenic derivatives of AHTN was tightly bound to the protein pellet and resistant to acidic pH. The data suggest that the AHTN-derived chromogenic material is metabolite-related rather than representative of a toxic process, although further work is necessary to confirm this hypothesis. Reprints of the article can be requested from RIFM by e-mailing [rifm@rifm.org](mailto:rifm@rifm.org).

Dr. Api supervises RIFM’s entire research and testing program and has authored over 75 scientific publications and presentations. In 2004, she was appointed Adjunct Assistant Professor, University of Medicine and Dentistry of New Jersey, School of Health Related Professions, Departments of Clinical Laboratory Sciences in Newark, NJ. Her professional affiliations include the American Chemical Society, European Society Contact Dermatitis, Society of Investigative Dermatology, Society of Toxicology and the Women in Flavor & Fragrance Commerce (Board of Director 1997-present).

RIFM, the international scientific authority for the safe use of fragrance materials, is the most comprehensive source worldwide for toxicology data, literature and information on the safety evaluation of fragrance materials. Through extensive research and testing and constant monitoring of all scientific literature available, RIFM maintains the RIFM Database of Fragrance and Flavor Materials, the largest repository of information on fragrance and flavor materials in the world. All of RIFM’s scientific findings are evaluated by an independent, scientific Expert Panel (REXPAN)—an international group of dermatologists, pathologists, toxicologists and environmental scientists. For more information about RIFM visit the web site at [www.rifm.org](http://www.rifm.org). For a reprint of the article or more information, e-mail [rifm@rifm.org](mailto:rifm@rifm.org).

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