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Toxicity of Azaarenes: Mechanisms and Metabolism

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor aan de
Universiteit van Amsterdam op gezag van de
Rector Magnificus Prof. Dr. J.J.M. Franse ten overstaan
van een door het college voor promoties ingestelde
commissie in het openbaar te verdedigen in de
Aula der Universiteit op donderdag
18 november 1999, te 11.00 uur

door Eric Anthonius Johannes Bleeker

geboren te Bergen (NH)

Promotores: Prof. Dr. W. Admiraal
Prof. Dr. H.A.J. Govers
Co-promotores: Dr. M.H.S. Kraak
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Cover. Computational model of a biological membrane with azaarenes (generated with the HyperChem program, HyperCube, Inc., version 5.1) and a chironomid (adapted from L.C.V. Pinder, 1978: *A key to the adult males of the British Chironomidae (Diptera), the non-biting midges*).

This study was conducted at the Department of Aquatic Ecology and Ecotoxicology, ARISE, Universiteit van Amsterdam, Kruislaan 320, 1098 SM Amsterdam, The Netherlands, and at the Department of Environmental and Toxicological Chemistry, ARISE, Universiteit van Amsterdam, Nieuwe Achtergracht 166, 1018 WV Amsterdam, The Netherlands.