

Metalloporphyrins for attenuation of atherosclerosis

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Abstrak

Adi Haber's thesis summarises the use of a new entity, the porphyrin, to combat one of the major cardiovascular diseases, atherosclerosis. She examines the effects of three rationally designed porphyrin-metal complexes on some of the many variables which contribute to the development of atherosclerosis. There is a focus on both the "bad" and "good" cholesterol carriers, LDL and HDL. Adi Haber proceeds from basic findings in pure chemistry through biochemical and cell culture tests to in vivo examinations. The work in this thesis shows that porphyrins are highly efficient both for early and late treatment of atherosclerosis in animals. These results will pave the way for ongoing regulated preclinical studies focussed on the development of metalloporphyrins as potential drugs for treating cardiovascular diseases.