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Synthesis of inhibitors of 2,3-squalene epoxidase on the basis of squalene by Michaelis-Becker reaction

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Abstract

Reducing the risk of cardiovascular diseases is one of the key problems of modern medicine, the solution of which depends both on prevention and development of new medicines. This article describes an approach based on the synthesis of potential inhibitors of squalene metabolism, namely, the enzyme 2,3-squalene epoxidaze by Michaelis-Becker reaction with squalene bromohydrin.