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RSC/ERDF Lecture

19th February 2013

“Total Synthesis of Tetrahydropyran-containing Natural Products”

Dr Paul Clarke
University of York

Abstract:

This lecture will describe the development of the one-pot, multi-component Maitland-Japp reaction for use in the asymmetric synthesis of highly functionalised tetrahydropyran-4-one rings. Its application to the total synthesis of a number of biologically active polyketide natural products will also be presented.



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