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Sustainable enzymatic synthesis of glycolipids in a deep eutectic solvent system

Sascha Siebenhaller^a, Claudia Muhle-Goll^b, Burkhard Luy^b, Frank Kirschhöfer^c, Gerald Brenner-Weiss^c, Ekkehard Hiller^d, Michael Günther^d, Steffen Rupp^d, Susanne Zibek^d and Christoph Syldatk^a

^a Institute of Process Engineering in Life Sciences, Section II: Technical Biology, Karlsruhe Institute of Technology, Karlsruhe, Germany

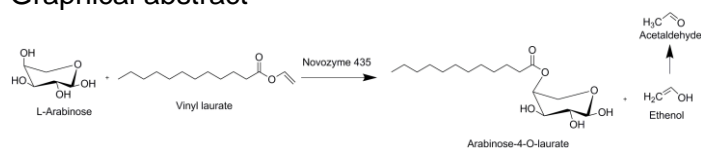
^b Institute of Organic Chemistry and Institute for Biological Interfaces 4, Karlsruhe Institute of Technology, Karlsruhe, Germany

^c Institute of Functional Interfaces, Karlsruhe Institute of Technology, Karlsruhe, Germany

^d Fraunhofer Institute for Interfacial Engineering and Biotechnology, Stuttgart, Germany

Contact: Sascha Siebenhaller
Institute of Process Engineering in Life Sciences, Section II: Technical Biology,
Karlsruhe Institute of Technology (KIT),
Engler-Bunte-Ring 3, 76131 Karlsruhe, Germany
Phone: +49 721 608 46736
e-Mail: sascha.siebenhaller@kit.edu

Graphical abstract



Highlights

- “Green” DES-based solvent system for the enzymatic tailor-made glycolipid synthesis
- DES as solvent and substrate at the same time
- First described DES with levoglucosan and first successful synthesis reaction in it
- Mass determination and structure elucidation of arabinose-laurate

Abstract

Environmental friendly (bio-) chemical synthesis reactions are getting ever more important for the production of ecofriendly products. In this study a reaction system based on a deep eutectic solvent consisting of choline chloride and various sugars, was used for the

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