



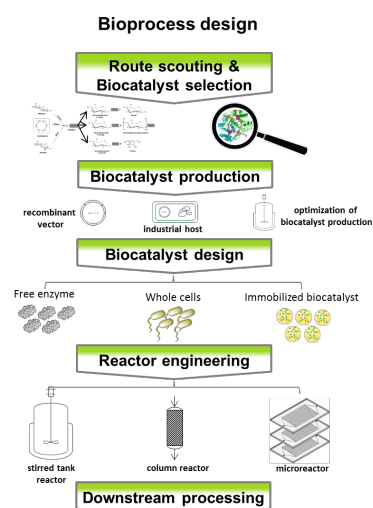
Bio-based production of glycosides

acib has a leading experience in industrial bioprocess design for enzymatic glycosylation reactions and is actively looking for new company collaborations interested in our glycosylation know-how.

BACKGROUND

Nature has a repertoire of enzymes to efficiently attach sugar moieties via glycosidic linkages to a wide range of acceptor molecules e.g., to i) establish a certain functionality, ii) enhance solubility, iii) improve stability, iv) convey immune-modulating effects.

TECHNOLOGY



acib can add structural and functional diversity to small molecules such as poly-alcohols, sugar alcohols, alkyl-alcohols, poly-phenols, flavonoids, etc. but also to antibodies; thereby solubility of hydrophobic compounds or stability of labile compounds is increased; or performance of biotherapeutics is optimized.

OFFER

Under protection of a CDA/NDA we provide you with professional strategies for glycosylation of your protein or metabolite of choice. Any IP developed in such a project would belong to the investor/industrial partner.

acib-EXPERTS:

Prof. Dr. Bernd Nidetzky
Dr. Christiane Luley

AVAILABLE FOR:

- Investments
- Joint Research Projects
- Contract Research

IPR:

Will be generated for our industrial partner / investor

KEYWORDS:

Glycobiology
Small Molecule Glycosides
Biocatalysis
Whole Cell Biotransformation
Glycoside Hydrolase
Transglycosidase
Glycoside Phosphorylase
'Leloir' Glycosyltransferase
Bioprocess Design
Up-Scaling

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INNOVATIONS FROM NATURE