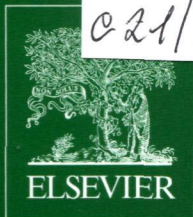
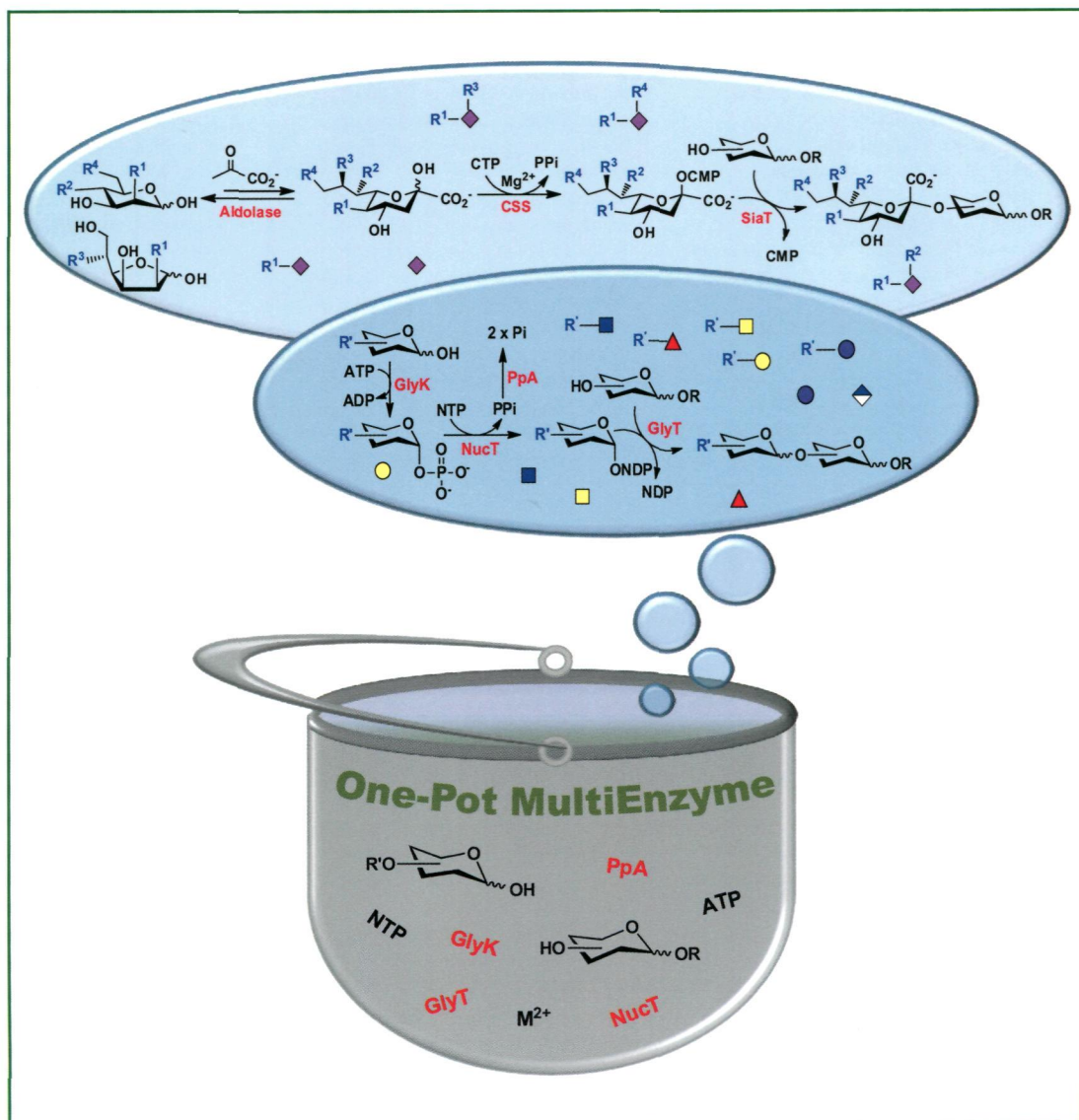


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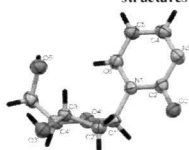
Synthesis

Efficient synthesis of 2'-deoxyzebarine and its α -anomer by the silyl method of N-glycosylation. Crystal structures and conformational study in solution

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Katarzyna Ebenryter-Olbinska,
Janina Karolak-Wojciechowska,
Elzbieta Sochacka*

Efficient synthesis of 2'-deoxyzebarine and its α -anomer by the silyl method of N-glycosylation. Crystal structures and conformational study in solution.

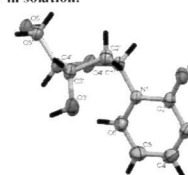


2' - deoxyzebarine (β -dZeb)

Synthesis under kinetic control conditions

β : α = 3:1

-33°C / CICH₂CH₂Cl / 3.5h



α - dZeb

Synthesis under thermodynamic control conditions

α : β = 4:1

+35°C / CICH₂CH₂Cl / 3.5h

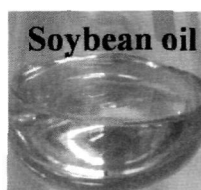


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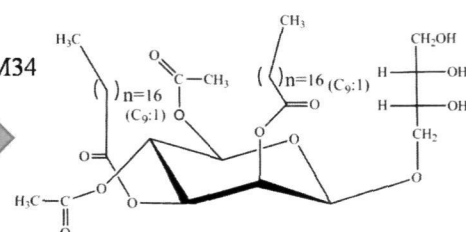
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Pseudozyma aphidis ZJUDM34
Resting cells
Biotransformation



Mannosylerythritol lipid-A homologues (an example)

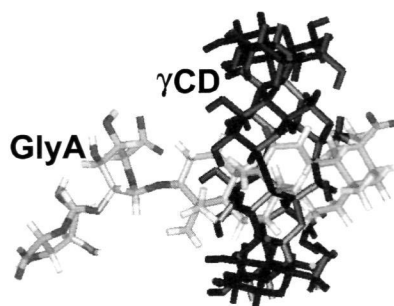
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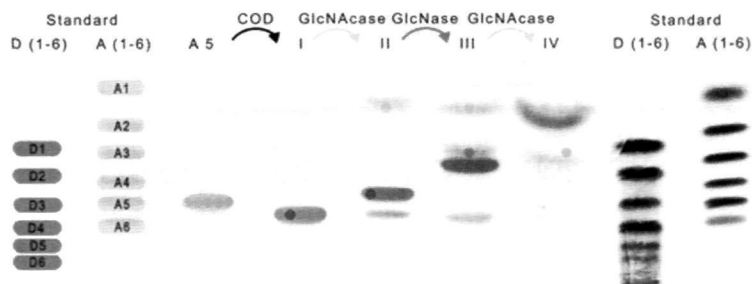
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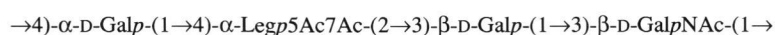
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**Structure and genetics of the O-antigen of *Enterobacter cloacae* C6285 containing di-N-acetyllegionaminic acid**

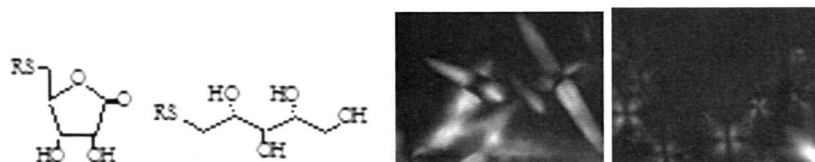
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Imane Stasik*, Sébastien Gottis, Céline Falentin-Daudré, Claire Meyer



*Corresponding author

Supplementary data available via ScienceDirect

COVER

Multi-functionalisation of cyclodextrins (CD) has entered a new era thanks to the regioselective chemistry developed by M. Sollogoub's group. As illustrated on the cover, many applications can now be reached using CDs with various functions on specific positions. An example of functionalisation of CDs is given in the first issue of this journal. Image realised by Mickaël Ménand.

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