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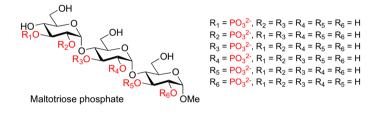
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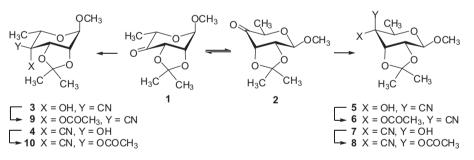
Synthesis

Synthesis of a series of maltotriose phosphates with an evaluation of the utility of a fluorous phosphate protecting group pp 14–24 Lin Liu, Nicola L.B. Pohl*



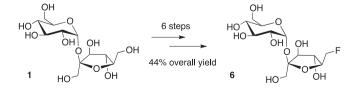
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Bohumil Steiner, Vratislav Langer, Maroš Bella, Miroslav Koóš*



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Vikram Gaddam, Michael Harmata*





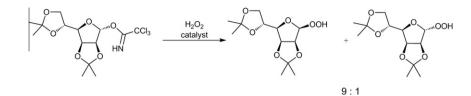
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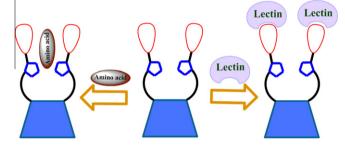
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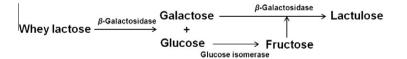
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Jugun Prakash Chinta, Chebrolu P. Rao*



Biochemistry and Enzymes

Optimization of lactulose synthesis from whey lactose by immobilized β-galactosidase and glucose isomerasepp 1–5Yoon-Seok Song, Hee-Uk Lee, Chulhwan Park, Seung-Wook Kim*



Lactulose was synthesized from whey lactose without supplying fructose by immobilized β-galactosidase and glucose isomerase.

Polysaccharides

Structure of the O-antigen of the lipopolysaccharide isolated from *Pantoea ananatis* AEP17, a rhizobacterium associated with rice

Rocío Contreras Sánchez-Matamoros, Antonio M. Gil Serrano, Pilar Tejero-Mateo, Javier Ollero, Esaú Megías Saavedra, Miguel A. Rodríguez-Carvajal*

$$\begin{vmatrix} \mathbf{F} & \mathbf{C} & \mathbf{A} & \mathbf{E} & \mathbf{D} \\ \rightarrow 3) \cdot \beta \cdot \mathbf{D} \cdot \mathbf{GlcpNAc} \cdot (1 \rightarrow 3) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 3) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot (1 \rightarrow 2) \cdot \alpha \cdot \mathbf{L} \cdot \mathbf{Rhap} \cdot \mathbf{$$

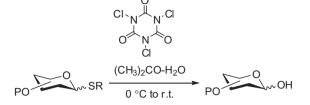
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Synthesis

Trichloroisocyanuric acid (TCCA): an efficient green reagent for activation of thioglycosides toward hydrolysis Nabamita Basu, Sajal Kumar Maity, Aritra Chaudhury, Rina Ghosh*

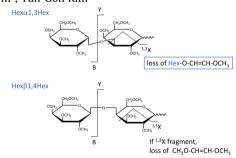


An α -selective, visible light photocatalytic glycosylation of alcohols with selenoglycosides Mark Spell, Xiaoping Wang, Amir E. Wahba, Elizabeth Conner, Justin Ragains^{*}

Bn0 Bn0 SePh ROH CBr₄ OBn Bn0 SePh ROH CBr₄ α-selective organocatalytic

Characterization, Naturalproducts

Structural characterization of α-galactosylated 0-glycans from miniature pig kidney and endothelial cells Hae-Min Park, Yung-Hun Yang, Byung-Gee Kim^{*}, Yun-Gon Kim^{*}



Polysaccharides

The capsular polysaccharide and lipopolysaccharide structures of two carbapenem resistant *Klebsiella pneumoniae* outbreak isolates

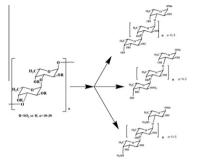
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-[-2- α -L-Rha-2- α -L-Rha-3- β -D-Gal-3- α -D-GalA-]_n- |4 α -L-Rha

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Structural analysis of sulfated fucan from *Saccharina japonica* by electrospray ionization tandem mass spectrometry pp 63–67 Weihua Jin, Zhimou Guo, Jing Wang, Wenjing Zhang, Quanbin Zhang*



*Corresponding author

(*D*⁺ Supplementary data available via SciVerse 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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