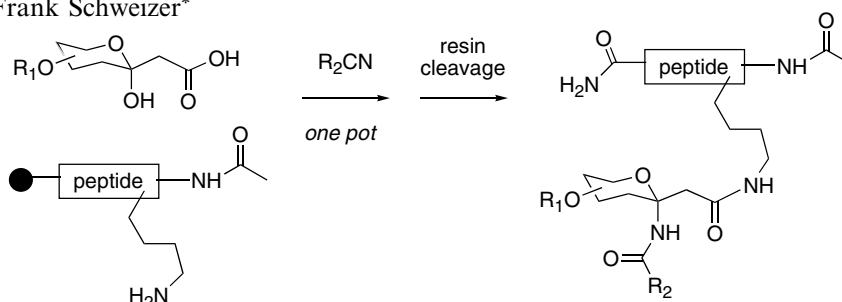


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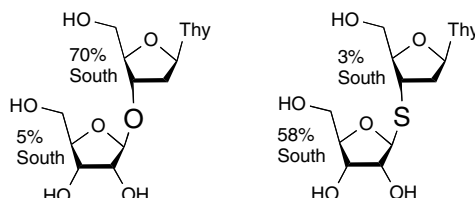
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Marlin Penner and Frank Schweizer*



- Incorporation of a S-glycosidic linkage into a glyconucleoside changes the conformational preference of both furanose sugars** pp 16–22

Joanne Buckingham, John A. Brazier, Julie Fisher* and Richard Cosstick*

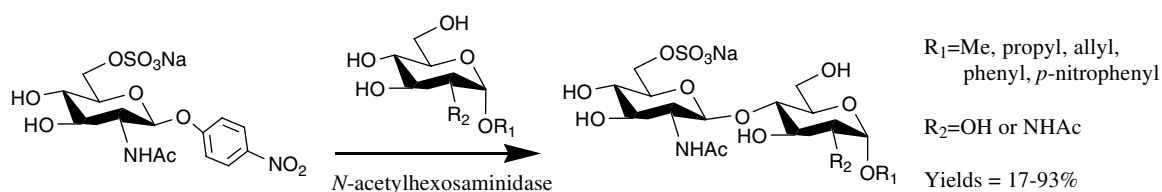


NMR studies have revealed that the conformational preferences of both furanose sugars in a glyconucleoside are altered by the incorporation of a thioglycoside linkage.



- Substrate specificity of *N*-acetylhexosaminidase from *Aspergillus oryzae* to artificial glycosyl acceptors having various substituents at the reducing ends** pp 23–30

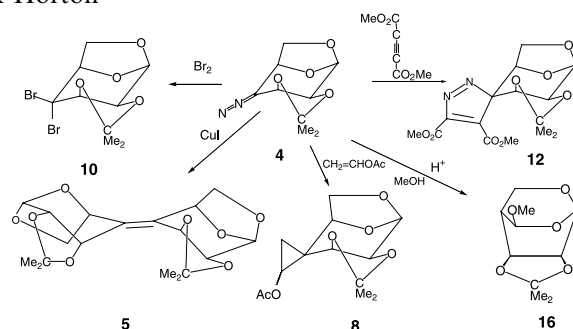
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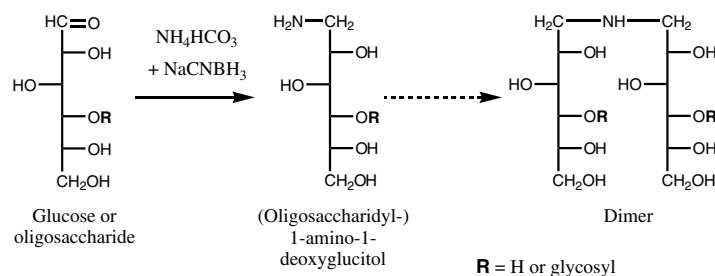
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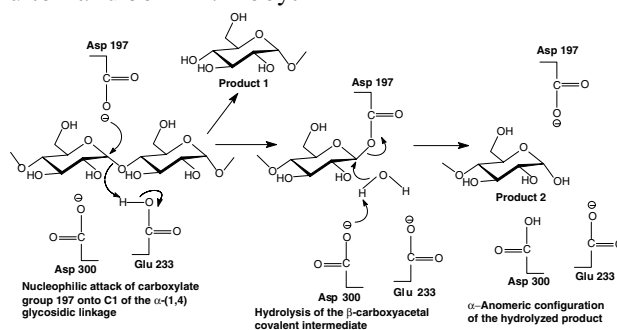
Janice G. Miller, Vladimír Farkaš, Sandra C. Sharples and Stephen C. Fry*



Formation of covalent β -linked carbohydrate–enzyme intermediates during the reactions catalyzed by α -amylases

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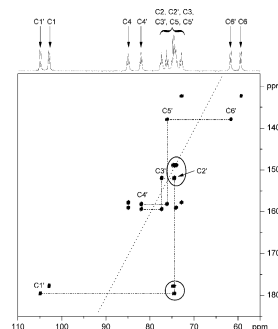
Seung-Heon Yoon, D. Bruce Fulton and John F. Robyt*



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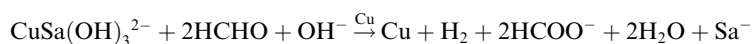
Frank Malz, Yuko Yoneda, Toshinari Kawada, Kurt Mereiter, Paul Kosma, Thomas Rosenau* and Christian Jäger*



Application of saccharose as copper(II) ligand for electroless copper plating solutions

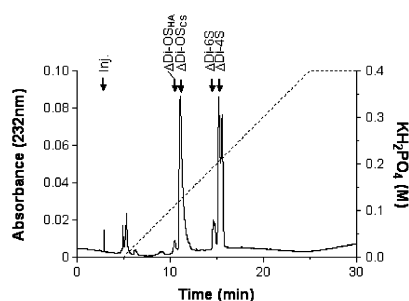
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Eugenijus Norkus,* Kęstutis Prušinskas, Algirdas Vaškelis, Janė Jačiauskienė, Irena Stalnionienė and Donald L. Macalady

**Electrophoretic separation and characterization of urinary glycosaminoglycans and their roles in urolithiasis**

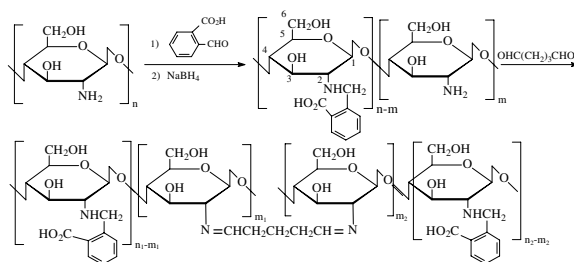
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Mayur Danny I. Gohel,* Daisy K. Y. Shum and Po Chor Tam

**Preparation and characterization of *N*-(2-carboxybenzyl)chitosan as a potential pH-sensitive hydrogel for drug delivery**

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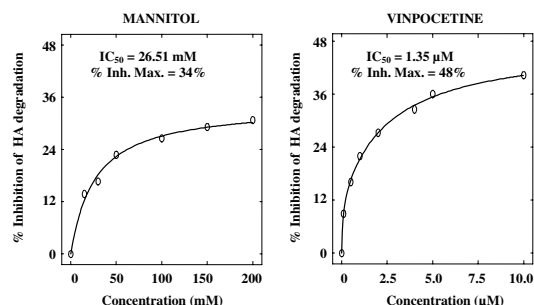
Youwen Lin,* Qing Chen and Hongbing Luo

**Inhibitory effects of different antioxidants on hyaluronan depolymerization**

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Gracia Mendoza, Ana I. Álvarez, Mivis M. Pulido, Antonio J. Molina, Gracia Merino, Rebeca Real, Peter Fernandes and Julio G. Prieto*

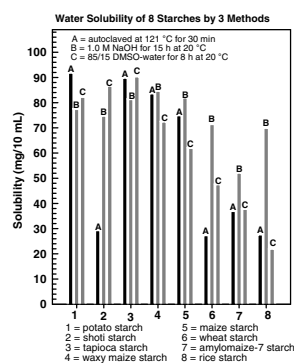
Radical scavengers, such as mannitol, thiourea, vinpocetine and propofol inhibit hyaluronic acid (HA) depolymerization. Mannitol and vinpocetine show the maximum inhibition percentages and vinpocetine presents the lower IC_{50} .



Determination of the maximum water solubility of eight native starches and the solubility of their acidic-methanol and -ethanol modified analogues

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Rupendra Mukerjea, Giles Slocum and John F. Robyt*

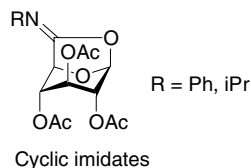


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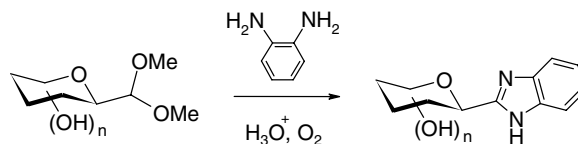
Linda Cronin, Manuela Tosin, Helge Müller-Bunz and Paul V. Murphy*



One-pot synthesis of 2-C-glycosylated benzimidazoles from the corresponding methanal dimethyl acetals

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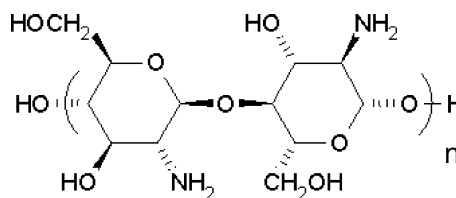
Michal Vojtech, Mária Petrušová, Elena Sláviková, Slávka Bekešová and Ladislav Petruš*



Limitations of pH-potentiometric titration for the determination of the degree of deacetylation of chitosan

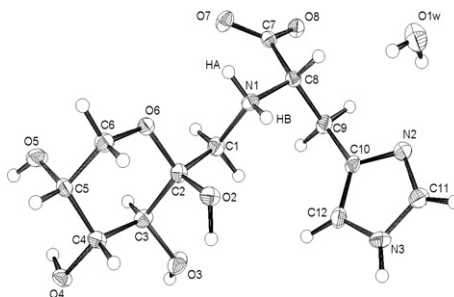
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Nándor Balázs and Pál Sipos*



Solubility and crystal structure of *N*-(1-deoxy- β -D-fructopyranos-1-yl)-L-histidine monohydrate ('D-fructose-L-histidine')**pp 131–138**

Valeri V. Mossine,* Charles L. Barnes and Thomas P. Mawhinney

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*Corresponding author

①⁺ Supplementary data available via ScienceDirect**COVER**

The image shows the ball-and-stick representation of a potent *n*-butyl thiazoline inhibitor of *O*-GlcNAcase, bound in the active centre of the enzyme. The work is the result of collaboration between the groups of Professors David Vocadlo (Simon Fraser University, British Columbia, Canada) and Gideon Davies (University of York, UK). The image, generated with PYMOL (DeLano Scientific LLC, <http://pymol.sourceforge.net/>), shows the observed electron density as a blue “wire-cage” inside the active centre pocket represented by the smooth surface.

Professor Davies was presented with the Roy L Whistler Award of the International Carbohydrate Organization at the XXIIIrd International Carbohydrate Symposium in Whistler in 2006.

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ISSN 0008-6215