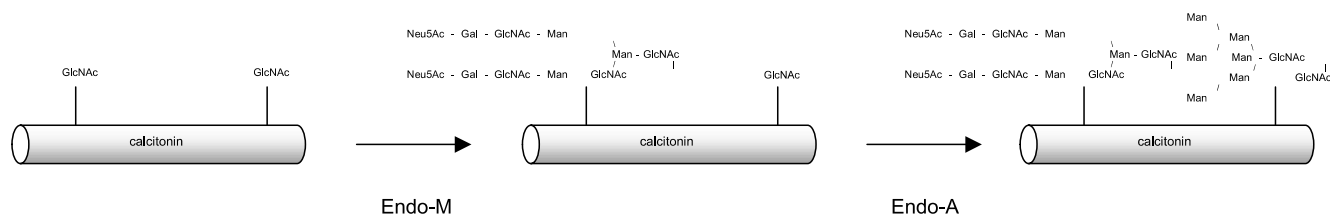


Contents

FULL PAPERS

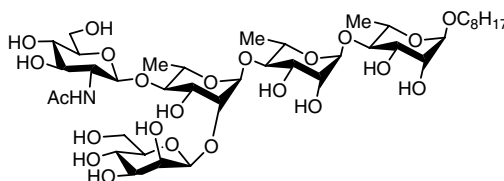
Chemo-enzymatic synthesis of eel calcitonin glycosylated at two sites with the same and different carbohydrate structures pp 181–190

Katsuji Haneda,* Midori Takeuchi, Mizuka Tagashira, Toshiyuki Inazu, Kazunori Toma,* Yukihiro Isogai, Masayuki Hori, Kazuo Kobayashi, Makoto Takeuchi, Kaoru Takegawa and Kenji Yamamoto



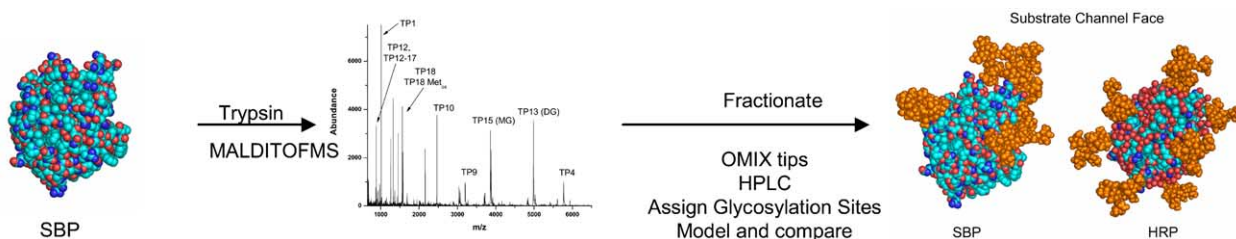
Synthesis of the pentasaccharide repeating unit of latosillan pp 191–197

Yuxia Hua, Junjun Xiao, Yingshen Huang and Yuguo Du*



Asymmetric glycosylation of soybean seed coat peroxidase pp 198–209

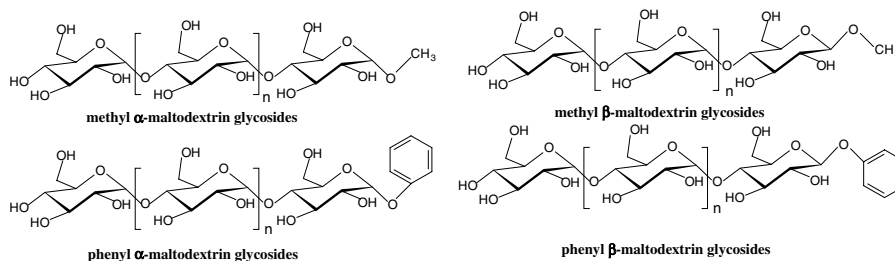
James S. S. Gray* and Rex Montgomery



Optimized synthesis of specific sizes of maltodextrin glycosides by the coupling reactions of *Bacillus macerans* cyclomaltodextrin glucanyltransferase

pp 210–217

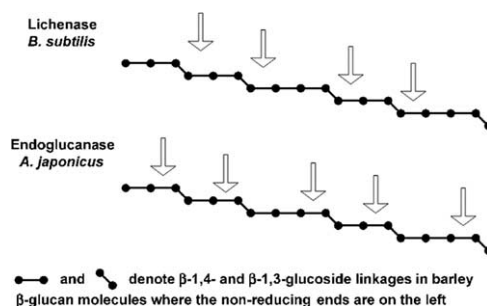
Seung-Heon Yoon and John F. Robyt*



A lichenase-like family 12 *endo*-(1→4)- β -glucanase from *Aspergillus japonicus*: study of the substrate specificity and mode of action on β -glucans in comparison with other glycoside hydrolases

pp 218–229

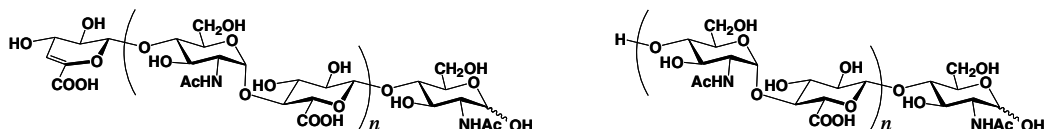
Sergei G. Grishutin, Alexander V. Gusakov,* Ekaterina I. Dzedzyulya and Arkady P. Sinitsyn



Microscale preparation of even- and odd-numbered *N*-acetylheparosan oligosaccharides

pp 230–237

Toshikazu Minamisawa, Kiyoshi Suzuki, Naoko Kajimoto, Masami Iida, Hiroshi Maeda and Jun Hirabayashi*



Structure of a fucoidan from the brown seaweed *Fucus serratus* L.

pp 238–245

Maria I. Bilan, Alexey A. Grachev, Alexander S. Shashkov, Nikolay E. Nifantiev and Anatolii I. Usov*

→3)- α -L-Fucp(2R₁,4R₂)-(1→4)- α -L-Fucp(2SO₃⁻)-(1→

(a) (~50%): R₁ = SO₃⁻, R₂ = H(b) (~50%): R₁ = H, R₂ = α -L-Fucp-(1→4)- α -L-Fucp(2SO₃)-(1→3)- α -L-Fucp(2SO₃)-(1→, the terminal residue may also be 4-monosulfated or 2,4-disulfated.

Acetates (one per every 10 fucose residues) occupy C-3 and C-4 in a ratio of about 7:3.

Download English Version:

<https://daneshyari.com/en/article/1385970>

Download Persian Version:

<https://daneshyari.com/article/1385970>

[Daneshyari.com](https://daneshyari.com)