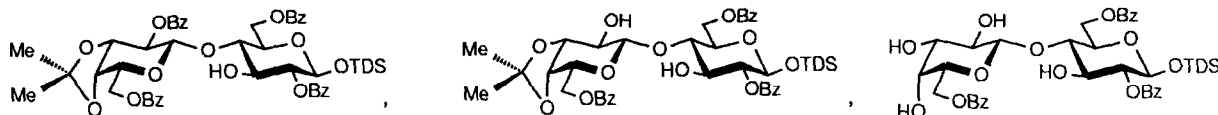


A simple access to lactose-derived building blocks required in glycoconjugate synthesis

Luigi Lay, Rainer Windmüller, Stefan Reinhardt, Richard R. Schmidt *

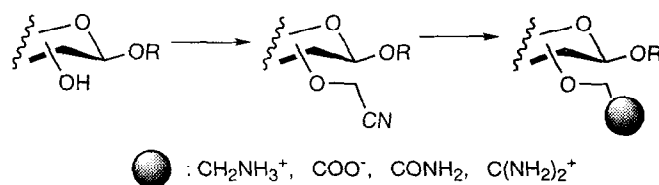
Fakultät für Chemie, Universität Konstanz, Postfach 5560 M 725, D-78434 Konstanz, Germany



Generation of molecular diversity on *N*-acetylglucosamine via *O*-cyanomethyl ethers

Carles Malet, Ole Hindsgaul *

Department of Chemistry, University of Alberta, Edmonton, Alberta, Canada T6G 2G2



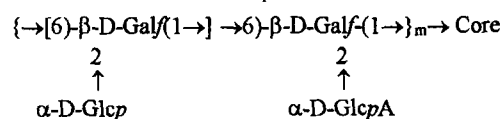
Structural elucidation of acidic fungal polysaccharides isolated from the cell-wall of genera *Cylindrocladium* and *Calonectria*

Oussama Ahrazem ^a, Alicia Prieto ^a, Juan Antonio Leal ^{a,*}, Begoña Gómez-Miranda ^a, Jezabel Domenech ^a, Jesús Jiménez-Barbero ^b, Manuel Bernabé ^{b,*}

^a Centro de Investigaciones Biológicas, CSIC, Velázquez 144, 28006 Madrid, Spain

^b Grupo de carbohidratos, Instituto de Química Orgánica, CSIC, Juan de la Cierva 3, 28006 Madrid, Spain

A structure of the polysaccharide chain of *Cylindrocladium* and *Calonectria*



Anhydro sugar and linkage contributions to circular dichroism of agarose and carrageenan, with conformational implications

Edward R. Arndt, Eugene S. Stevens *

Department of Chemistry, Binghamton University, Binghamton, NY 13902-6016, USA

A conformational analysis based on circular dichroism is presented for agarose,

$\rightarrow 3\text{-}\beta\text{-D-Galp}\text{-}(1 \rightarrow 4)\text{-}3,6\text{-anhydro-}\alpha\text{-L-Galp}\text{-}(1 \rightarrow$

and for carrageenan

$\rightarrow 3\text{-}\beta\text{-D-Galp}\text{-}4\text{-OSO}_3^-\text{-}(1 \rightarrow 4)\text{-}3,6\text{-anhydro-}\alpha\text{-D-Galp}\text{-}(1 \rightarrow$