

ARKIVOC Volume 2013

Part (ii): Commemorative Issue in Honor of Prof. Richard R. Schmidt on the occasion of his 78th anniversary

Facilitator: Vinod K. Tiwari

Scientific Editor: Branko Stanovnik

**1. A tribute to Prof. Richard Schmidt (RS-1462IT)**

*Vinod Tiwari*

Full Text: [PDF \(188K\)](#)

**pp. 1 - 5**

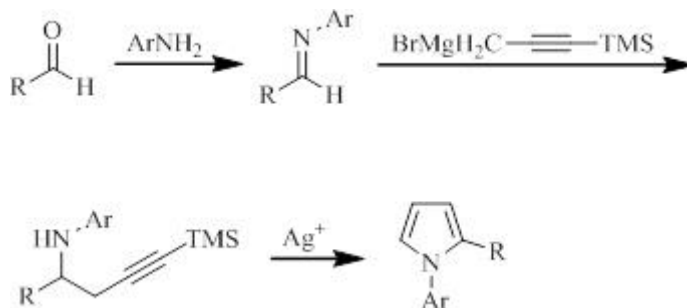
published Sep 5 2012;

**2. Transition metals in organic synthesis, Part 105. Synthesis of pyrroles by silver(I)-promoted oxidative cyclization (RS-7554IP)**

*Sameer Agarwal, Ulrike Päßler and Hans-Joachim Knäuper*

Full Text: [PDF \(95K\)](#)

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received May 31 2012; accepted Jul 11 2012; published Sep 5 2012;

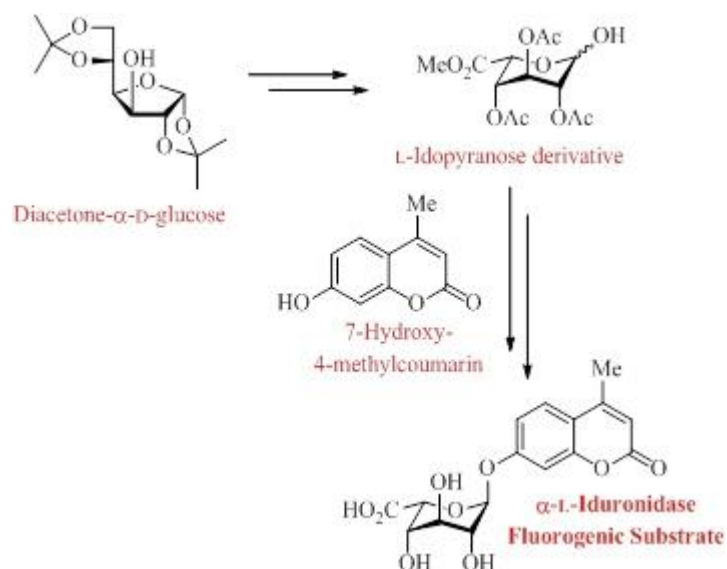
**3. Synthesis of a fluorogenic substrate for  $\alpha$ -L-iduronidase (RS-7446IP)**

*Fu-Chieh Lu, Larry S. Lico and Shang-Cheng Hung*

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Supplementary Material: [PDF \(788K\)](#)

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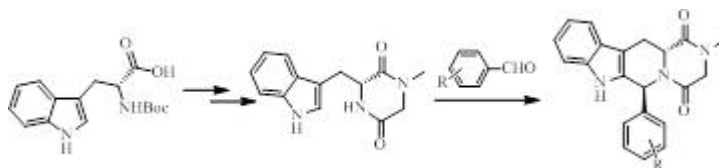
#### 4. First highly stereocontrolled synthesis of tetrahydro *trans*- $\beta$ -carboline derivatives by exploiting the influence of a cyclic amide (RS-7415IP)

Ravindra Vedantham, Sakthivel Shanmugam, Prasadaraju V.N.K.V. Vetukuri, Mukkanti Khaggab and Rakeshwar Bandichhor

Full Text: [PDF \(210K\)](#)

Supplementary Material: [PDF \(2,829K\)](#)

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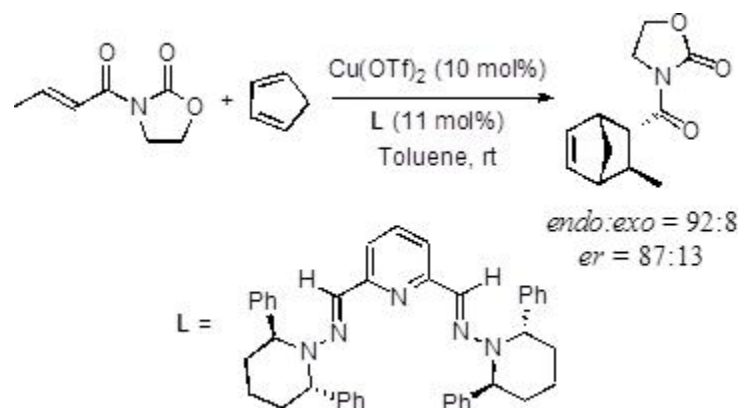
received Apr 6 2012; accepted Jul 11 2012; published Sep 5 2012;

#### 5. Design and synthesis of new bis-hydrazones and pyridine bis-hydrazones: application in the asymmetric Diels-Alder reaction (RS-7557IP)

David Monge, Antonio Bermejo, Juan Vázquez, Rosario Fernández and JosÃ© M. Lassaletta

Full Text: [PDF \(165K\)](#)

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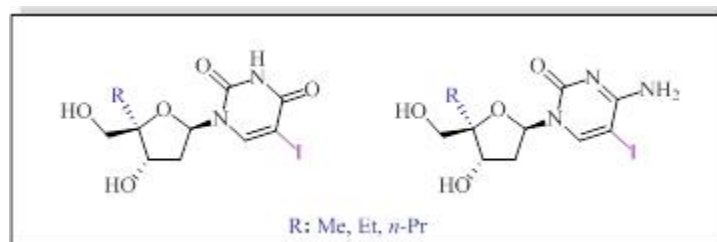
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#### 6. Synthesis of 4'-C-alkylated-5-iodo-2'-deoxypyrimidine nucleosides (RS-7581IP)

Tobias Strittmatter, Joos Aschenbrenner, Norman Hardt and Andreas Marx

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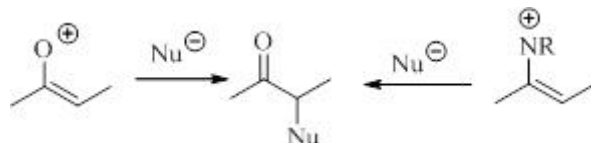
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#### 7. Umpolung reactions at the $\alpha$ -carbon position of carbonyl compounds (RS-7583IR)

Okiko Miyata, Tetsuya Miyoshi and Masafumi Ueda

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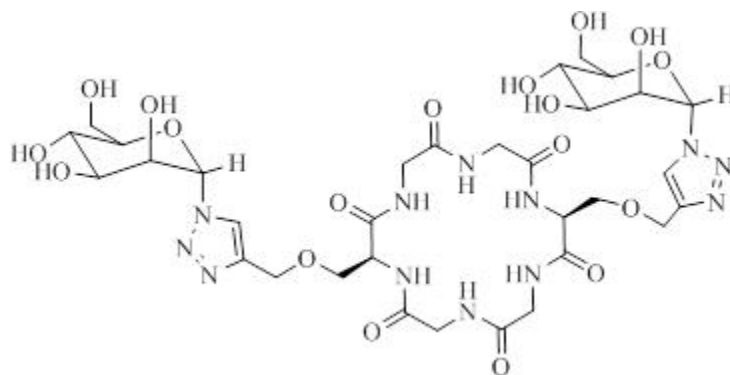
**8. Morphological transition triggered by mannose conjugation to a cyclic hexapeptide (RS-7588IP)**

*Apurba K. Barman, Nidhi Gour and Sandeep Verma*

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Supplementary Material: [PDF \(490K\)](#)

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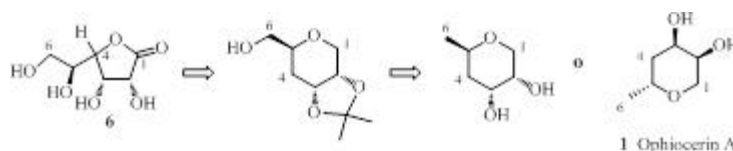
received Jun 13 2012; accepted Aug 8 2012; published Sep 24 2012;

**9. Attempted synthesis of ophiocerin A using D-gulonic acid- $\delta$ -lactone (RS-7595IP)**

*Beedimane Narayana Manjunath and Indrapal Singh Aidhen*

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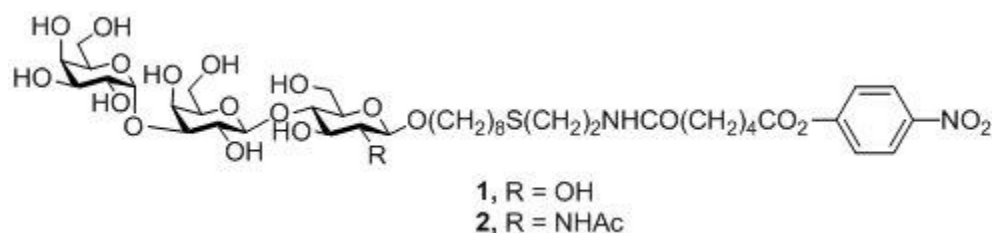
received Jun 15 2012; accepted Aug 28 2012; published Sep 24 2012;

**10. Synthesis of trisaccharides incorporating the  $\alpha$ -Gal antigen functionalized for neoglycoconjugate preparation (RS-7562IP)**

*Patrice Plaza-Alexander and Todd L. Lowary*

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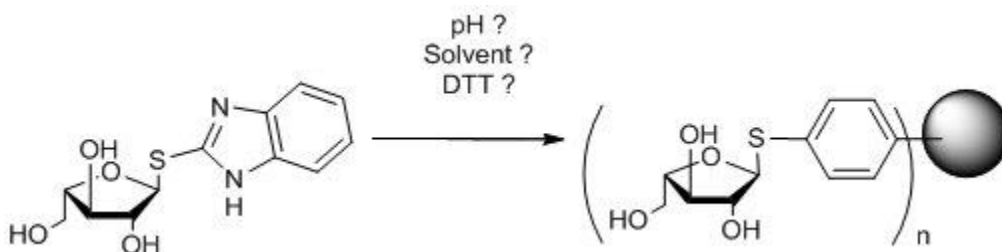
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### 11. Chemo-enzymatic synthesis of an original arabinofuranosyl cluster: optimization of the enzymatic conditions (RS-7438IP)

M<sup>Ã</sup>lanie Almendros, Marc FranÃ§ois-Heude, Laurent Legentil, Caroline Nugier-Chauvin, Richard Daniellou and Vincent FerriÃˆres

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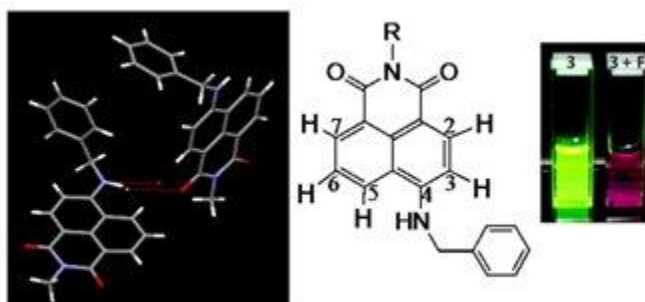
received Apr 14 2012; accepted Aug 17 2012; published Oct 14 2012;

### 12. A simple naphthalimide-based receptor for selective recognition of fluoride anion (RS-7393IP)

Arvind Misra, Mohammad Shahid, Pratibha Dwivedi, Priyanka Srivastava, Rashid Ali and Syed S. Razi

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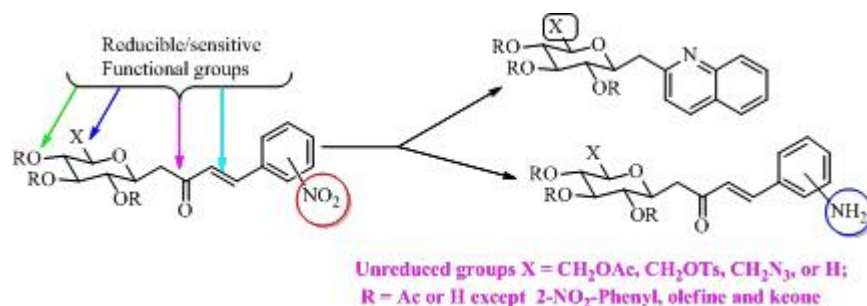
received Mar 30 2012; accepted Aug 23 2012; published Oct 21 2012;

**13. Chemoselective synthesis of polyfunctional aminophenyl 2-oxobut-3-enyl - and quinolinylmethyl-C-glycopyranosides from nitrophenyl 2-oxobut-3-enyl C-glycopyranosides under ultrasonic vibration (RS-7535IP)**

*K. Kumar G. Ramakrishna, Arya Ajay, Anindra Sharma and Rama P. Tripathi*

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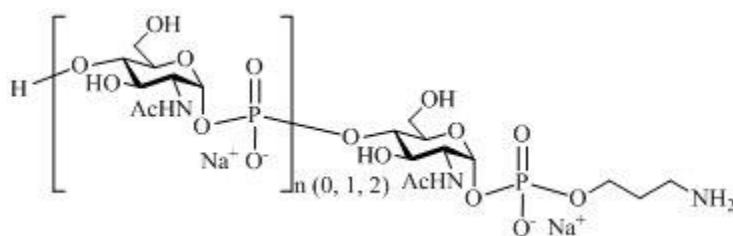
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**14. Synthesis of *Neisseria meningitidis* X capsular polysaccharide fragments (RS-7563IP)**

*Laura Morelli and Luigi Lay*

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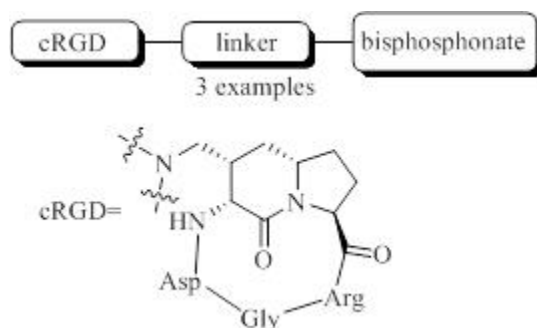
**15. Bisphosphonate-functionalized cyclic Arg-Gly-Asp peptidomimetics (RS-7538IP)**

*Carmelo Drago, Daniela Arosio, Cesare Casagrande and Leonardo Manzoni*

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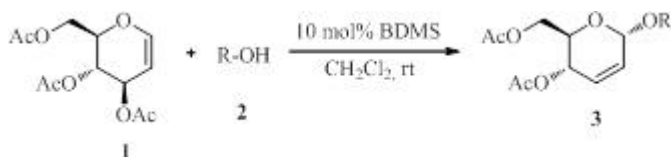
**16. Bromodimethylsulfonium bromide (BDMS) catalyzed synthesis of 2,3-unsaturated-*O*-glycosides via Ferrier rearrangement (RS-7437IP)**

*Abu T. Khan, R. Sidick Basha and Mohan Lal*

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Supplementary Material: [PDF \(576K\)](#)

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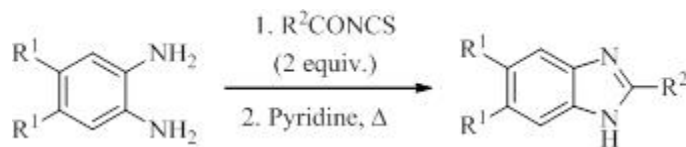
received Apr 14 2012; accepted Aug 23 2012; published Oct 26 2012;

**17. A new and convenient synthesis of 2-arylbenzimidazoles through reaction of benzoylthiocyanates with *ortho*-phenylenediamines (RS-7558IP)**

*Girija S. Singh, Tarjeet Singh and Ram Lakhan*

Full Text: [PDF \(78K\)](#)

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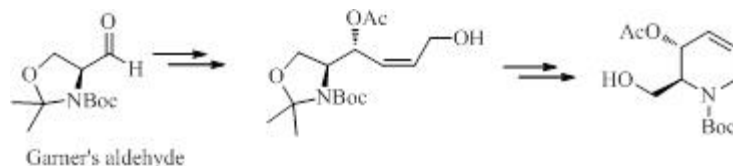
received May 31 2012; accepted Aug 8 2012; published Oct 26 2012;

**18. A concise synthesis of (5*R*,6*S*)-*tert*-butyl 5-acetoxy-6-(hydroxymethyl)-5,6-dihydropyridine-1(2*H*)-carboxylate (RS-7451IP)**

S. Ramalingam, Ankushkumar D. Bhise, Krishanu Show and Pradeep Kumar

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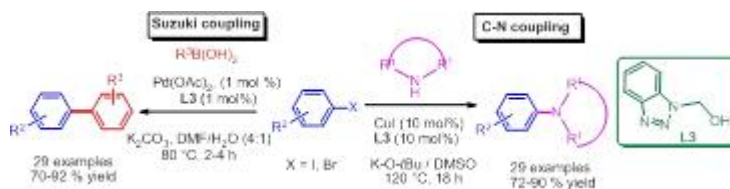
received Apr 20 2012; accepted Sep 16 2012; published Oct 26 2012;

**19. Benzotriazol-1-ylmethanol: An excellent bidentate ligand for the copper/palladium-catalyzed C-N and C-C coupling reaction (RS-7559IP)**

Rajeev R. Jha, Jaspal Singh, Rakesh K. Tiwari and Akhilesh K. Verma

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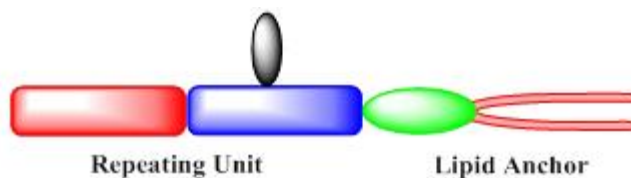
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**20. Total synthesis of biologically active lipoteichoic acids (RS-7429IU)**

Christian Marcus Pedersen, Mikael Bols and Yan Qiao

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**21. Synthesis and characterization of regioselectively monoderivatized maltooligosaccharides through a combination of tandem mass spectrometry and enzymatic hydrolysis studies (RS-7443IP)**

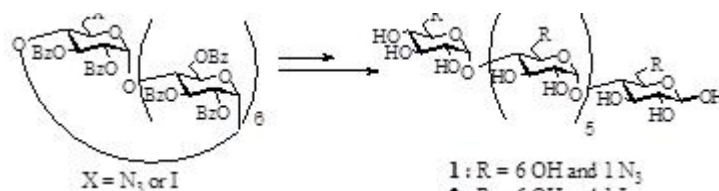
David Lesur, Abdoulaye Gassama, Arnaud Brique, Nicolas Thiebault, Florence Djedaïni-Pilard, Serge



Pilard and Vincent Moreau

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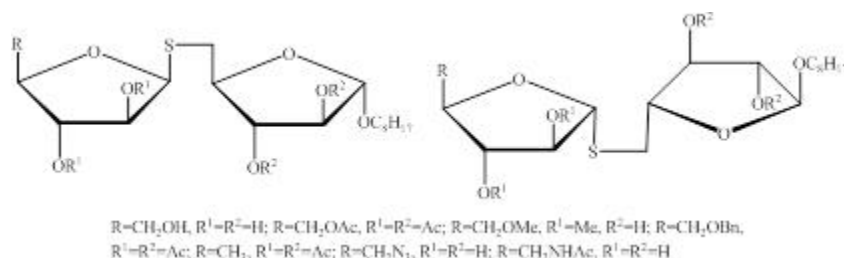
received Apr 15 2012; accepted Oct 26 2012; published Dec 19 2012;

## 22. Design, synthesis and activity of thio-linked arabinofuranosyl disaccharides against mycobacterial tuberculosis (MTB) and *Mycobacterium avium* complex (MAC) (RS-7525IP)

Naveen K. Khare, Franco J. Duarte, Robert C. Reynolds and Joseph A. Maddry

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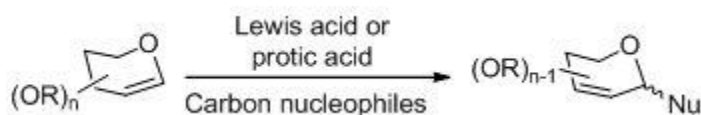
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## 23. The carbon-Ferrier rearrangement: an approach towards the synthesis of C-glycosides (RS-7410IR)

Alafia Ali Ansari, Rima Lahiri and Yashwant D. Vankar

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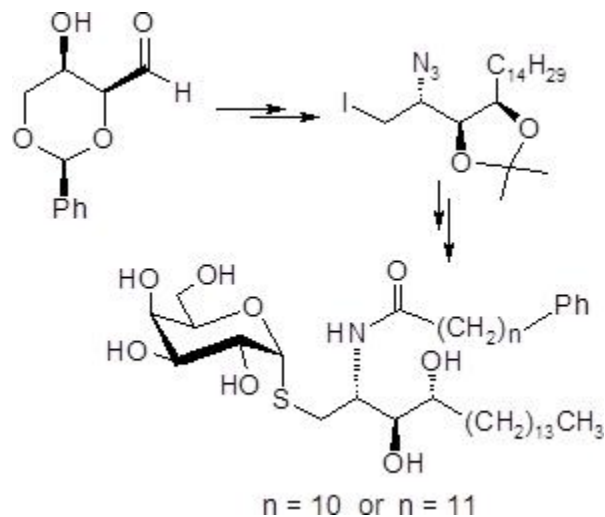
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## 24. Synthesis and immunostimulatory activity of two $\alpha$ -S-galactosyl phenyl-capped ceramides (RS-7399IP)

Niamh Murphy, Andreea Petrasca, Niamh M. Murphy, Vincent O'Reilly, Paul Evans, Derek G. Doherty and Xiangming Zhu

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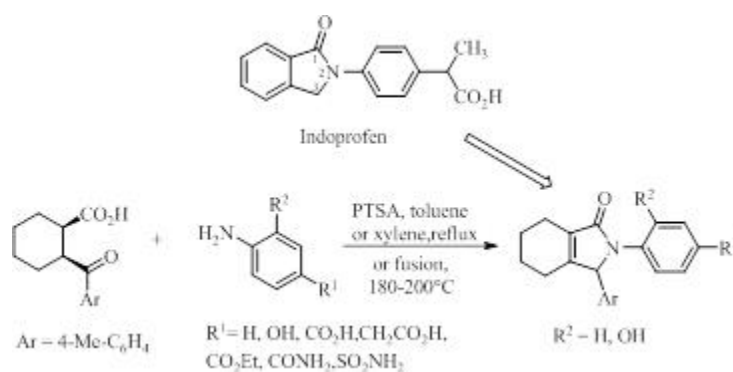
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## 25. Design and synthesis of some isoindoline derivatives as analogues of the active anti-inflammatory Indoprofen (RS-7818IP)

Ferenc Csende, Ferenc Mikl<sup>3</sup>s and Andrea Porkol<sup>3</sup>jb

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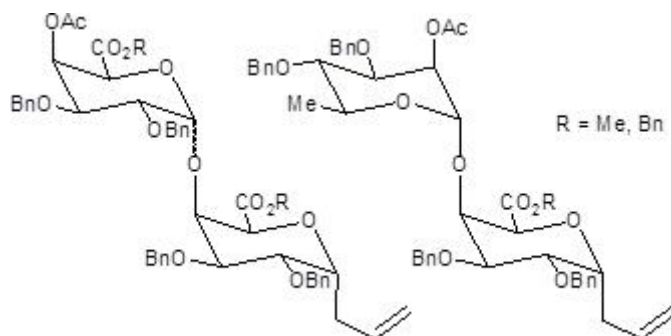
received Oct 23 2012; accepted Dec 7 2012; published Feb 8 2013;

## 26. C-Glycoside D-galacturonates suitable as glycosyl acceptors for the synthesis of allyl C-homo- and rhamno-galacturonan modules (RS-7657IP)

Mahmoud Farouk, Dirk Michalik, Alexander Villingner and Christian Vogel

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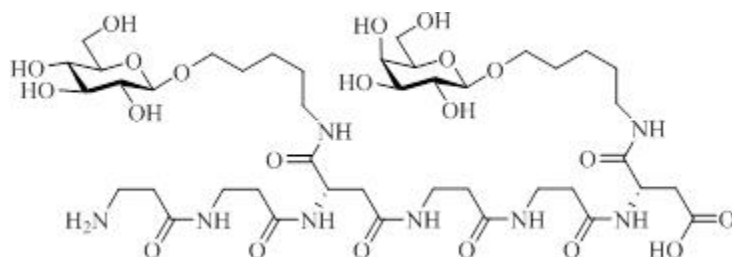
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## 27. Synthesis and structure of a bis-glycosylated hexa-β-peptide (RS-7584IP)

Ralf Daiber and Thomas Ziegler

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