

ARKIVOC Volume 2007

Part (vii): Commemorative Issue in Honor of Prof. Atta-ur-Rahman on the occasion of his 65th anniversary

Facilitator: Mahmood Alam  
Scientific Editor: Paul Krapcho

1. A Tribute to Prof. Atta-Ur-Rahman (UR-1425CT)

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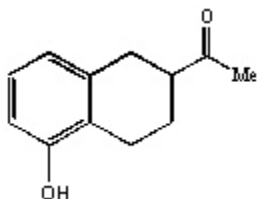
accepted Jul 26 2006; published Aug 1 2006;

2. A simple synthesis of 2-acetyl-5-hydroxy-1,2,3,4-tetrahydronaphthalene (UR-1912CP)

*William J. Vera and Ajoy K. Banerjee*

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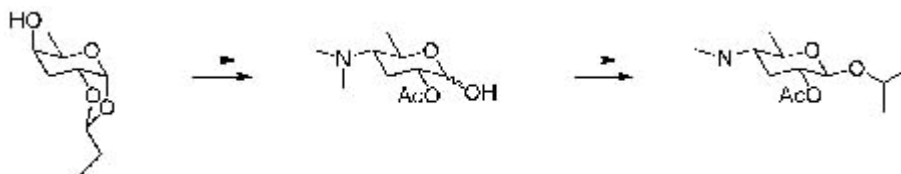
received Apr 29 2006; accepted May 22 2006; published Aug 14 2006;

3. Preparation of (2R)-2-acetoxy-D-forsamine for the total synthesis of spinosyns (UR-1928CP)

*Lutz F. Tietze, Niels BÄhnhke and Gordon Brasche*

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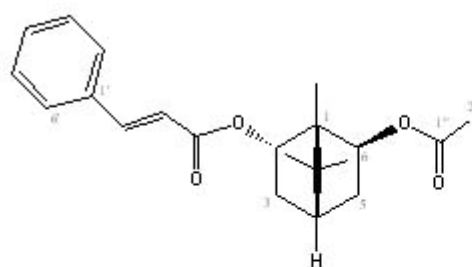
received May 17 2006; accepted Jun 20 2006; published Aug 14 2006;

4. Phytochemistry of three selected liverworts: *Conocephalum conicum*, *Plagiochila barteri* and *P. terebrans* (UR-1924CP)

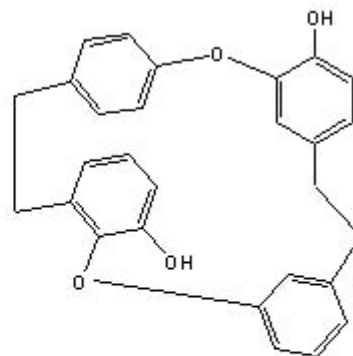
*Liva Harinantenaina, Shyoko Kida and Yoshinori Asakawa*

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**1**



**Marchantin C**

**$\alpha$ -glucosidase inhibitor (52.2%)**

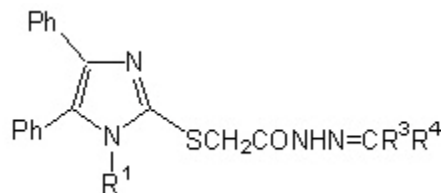
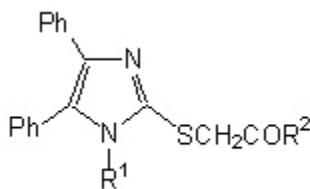
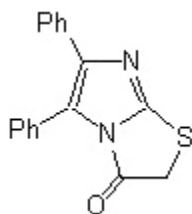
received May 13 2006; accepted Jul 10 2006; published Aug 14 2006;

### **5. MAOS versus conventional synthesis of 4,5-di- and 3,4,5-triphenylimidazole-2-thione and their derivatives (UR-1729CP)**

*E. S. H. El Ashry, N. Rashed, L. F. Awad, E. Ramadan, S. M. Abdel-Magheed and N. Rezki*

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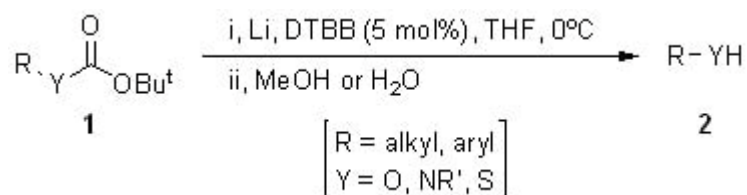
received Nov 24 2005; accepted Feb 2 2006; published Aug 14 2006;

### **6. Reductive removal of the Boc protecting group via a DTBB-catalysed lithiation reaction (UR-1782CP)**

*Raquel Almansa, Cherif Behloul, David Guijarro and Miguel Yus*

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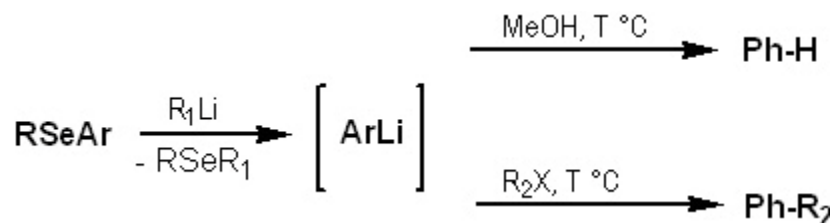
received Jan 4 2006; accepted Mar 1 2006; published Aug 14 2006;

### 7. Reactivity of alkyl aryl selenides towards butyllithiums: synthesis and alkylation of aryllithiums; a new synthetic route to aryl alkanes (UR-1968CP)

Alain Krief, Willy Dumont and Frédéric Gillin

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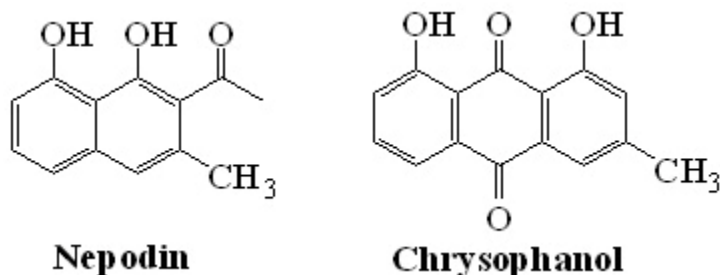
received Jun 23 2006; accepted Aug 3 2006; published Aug 23 2006;

### 8. Bioassay-guided isolation of anti-algal constituents from *Inula helenium* and *Limonium myrianthum* (UR-1979CP)

Charles L. Cantrell, Leonid K. Mamonov, Natalja Ryabushkina, Tatyana S. Kustova, Nikolaus H. Fischer and Kevin K. Schrader

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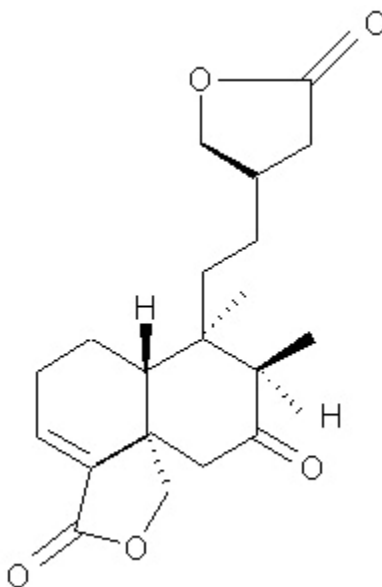
received Jun 29 2006; accepted Aug 3 2006; published Aug 24 2006;

**9. *Baccharis* (Compositae): a review update** (UR-1989CR)

*Maria JosÃ© Abad and Paulina Bermejo*

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received Jul 7 2006; accepted Aug 3 2006; published Sep 5 2006;

**10. Natural products in a world out-of-balance** (UR-2003CR)

*Geoffrey A. Cordell and Michael D. Colvard*

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An overview of the challenges facing the global population with respect to the sustainable availability of medicinal agents and the future contributions of natural products based on diverse emerging technologies

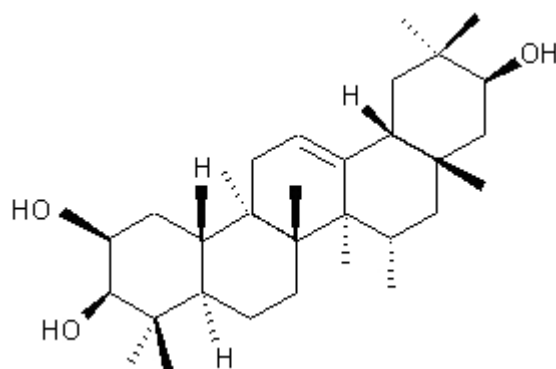
received Jul 12 2006; accepted Aug 21 2006; published Sep 5 2006;

**11. Active antifungal substances from natural sources** (UR-2002CR)

*Maria JosÃ© Abad, Maria Ansuategi and Paulina Bermejo*

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received Jul 12 2006; accepted Sep 4 2006; published Sep 11 2006;

**12. Molecular composition and quality/taste of olive oil: monoterpenes and natural phenols (UR-1886CR)**

*Armandodoriano Bianco, Anna Maria Serrilli and Cristiana Melchioni*

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This article regards the monoterpenic and biophenolic micro-components present in olive and the way through these compounds are transferred in the olive oil. Particular interest is referred to the molecular structure of isolated compounds and to the transformations of oleuropein during the technological process of olive oil preparation. The existing relationship between the quality/taste of olive oil and these micro-components, are also discussed.

received Apr 5 2006; accepted Jul 20 2006; published Sep 11 2006;

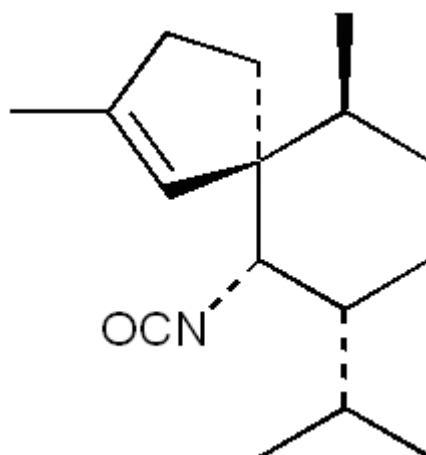
**13. Isocyanates in marine sponges: Axisocyanate-3, a new sesquiterpene from *Acanthella cavernosa* (UR-2060CP)**

*Pinus Jumaryatno, Karen Rands-Trevor, Joanne T. Blanchfield and Mary J. Garson*

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Supplementary Material: [PDF \(880K\)](#)

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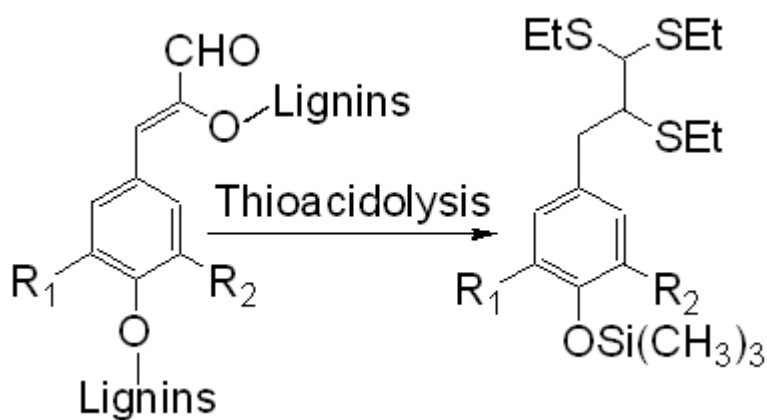
received Aug 4 2006; accepted Aug 28 2006; published Sep 13 2006;

**14. *p*-Hydroxycinnamyl aldehydes in lignifying plant cell walls (UR-1997CP)**

*Laura V. Gázquez-Ros, Jose M. Espiñeira, F. Pomar, María J.L. Nájuez-Flores and A. Ros Barcelá*

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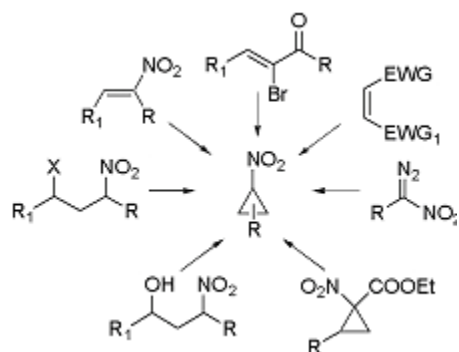
received Jul 11 2006; accepted Sep 11 2006; published Sep 21 2006;

**15. Synthesis and use of nitrocyclopropane derivatives (UR-2142CR)**

*Roberto Ballini, Alessandro Palmieri and Dennis Fiorini*

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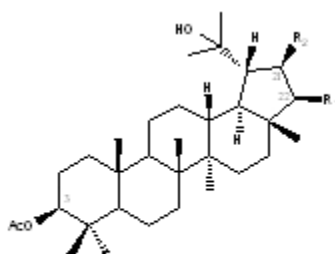
received Sep 6 2006; accepted Sep 30 2006; published Oct 3 2006;

**16. Antioxidant activity tests on novel triterpenoids from *Salvia macrochlamys* (UR-2083CP)**

*GÃ¼laÅŸtı TopÅŸu, AbdÃ¼lislam ErtaÅŸ, Ufuk Kolak, Mehmet Ã–ztÃ¼rk and Ayhan Ulubelen*

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(2) R<sub>1</sub> = H R<sub>2</sub> = H  
 (3) R<sub>1</sub> = OH R<sub>2</sub> = H  
 (4) R<sub>1</sub> = OH R<sub>2</sub> = OH

received Aug 9 2006; accepted Oct 2 2006; published Oct 11 2006;

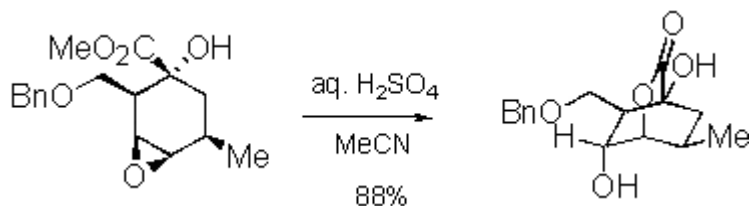
**17. An observation on the regioselectivity of ring-opening of some substituted cyclohexenyl epoxides**

(UR-2104CP)

*Madeleine Helliwell, Eric J. Thomas and Clare Vickers*

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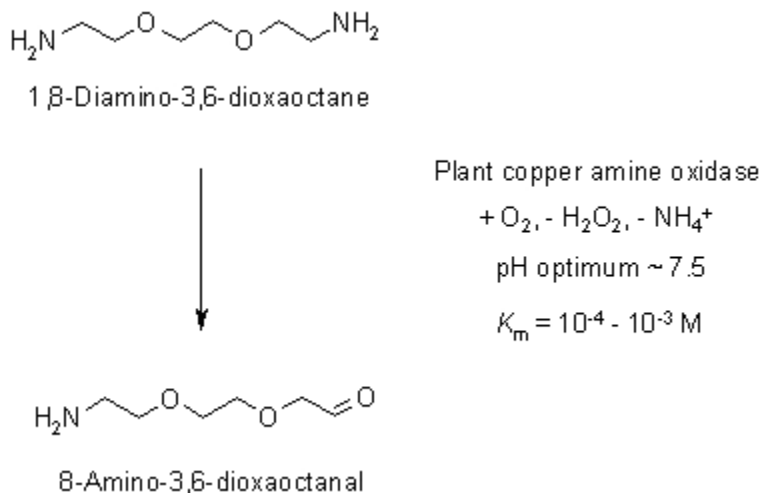
received Aug 24 2006; accepted Sep 30 2006; published Oct 11 2006;

### 18. Interaction of plant amine oxidases with diaminoethers (UR-2149CP)

Marek Åšebela, Karla JarkovskÅ¡i, RenÅ¡ Lenobel, Rosaria Medda, Alessandra Padiglia, Giovanni Floris and Pavel Peĉ

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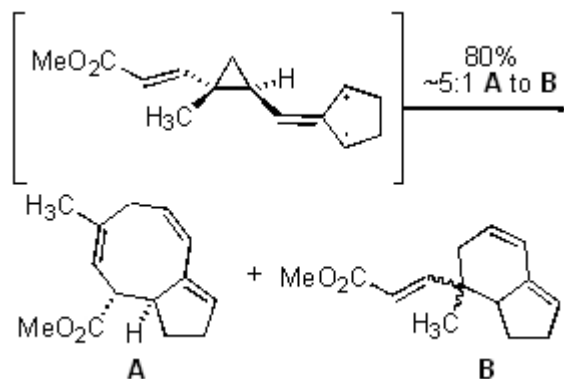
received Sep 11 2006; accepted Oct 2 2006; published Oct 11 2006;

### 19. Progress toward the synthesis of the bicyclo (6.3.0) framework using TMM diyls (UR-2158CP)

Joohee Hong, Richard Yee and R. Daniel Little

Full Text: [PDF \(76K\)](#)

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received Sep 18 2006; accepted Oct 27 2006; published Nov 4 2006;

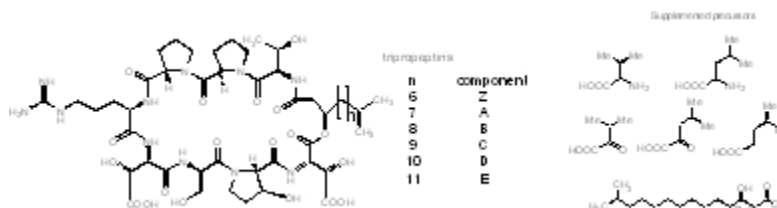


**20. Production of tripropeptins in media supplemented with precursors based on the biosynthetic pathway (UR-2020CP)**

Hideki Hashizume, Chisato Nosaka, Sehei Hirosawa, Masayuki Igarashi, Yoshio Nishimura and Yuzuru Akamatsu

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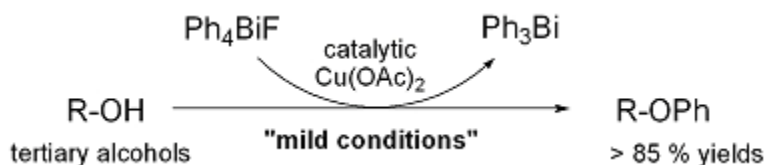
received Jul 24 2006; accepted Oct 27 2006; published Nov 13 2006;

**21. Copper(II)-catalyzed O-phenylation of alcohols with organobismuth(V) reagents (UR-2051CP)**

Naoto Sakurai, Kazuhiro Ikegai and Teruaki Mukaiyama

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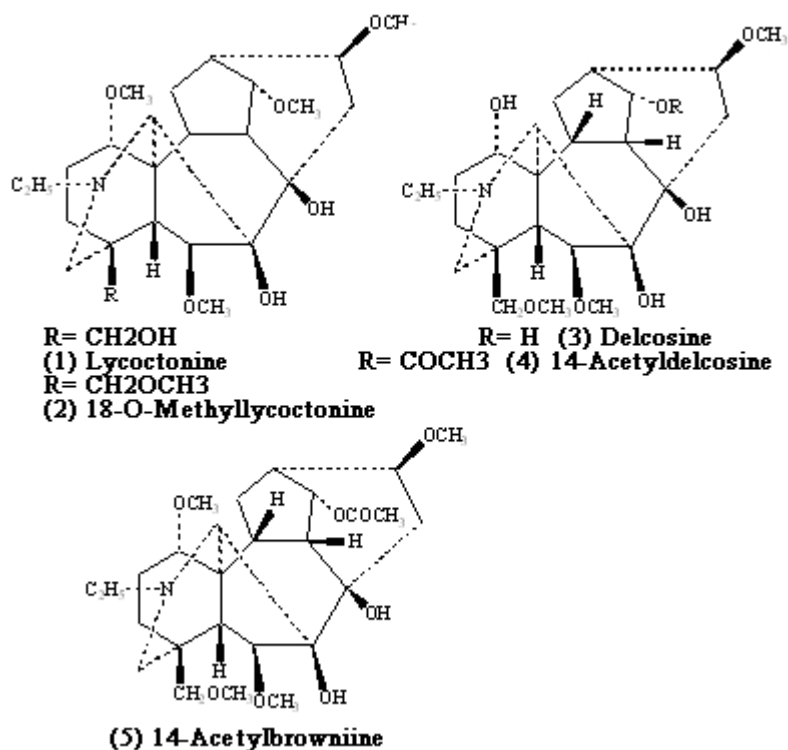
received Aug 1 2006; accepted Oct 31 2006; published Nov 15 2006;

**22. Diterpenoid alkaloids from some Turkish *Consolida* species and their antiviral activities (UR-2071CP)**

Bilge Şener, Ilkay Orhan and Berrin Aşelik

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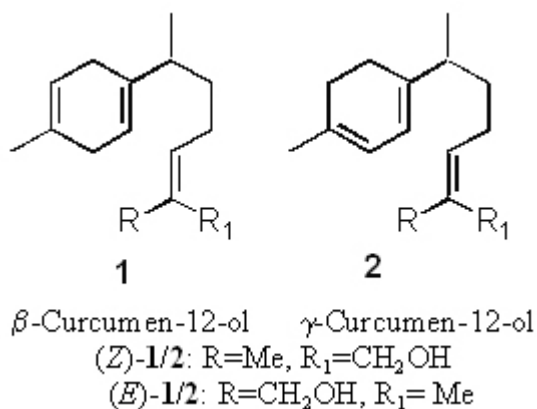
received Aug 7 2006; accepted Nov 3 2006; published Nov 15 2006;

### 23. Synthesis and natural occurrence of (*Z/E*)- $\beta$ - and $\gamma$ -curcumen-12-ol (UR-2139CP)

Norbert A. Braun and Dietrich Spitzner

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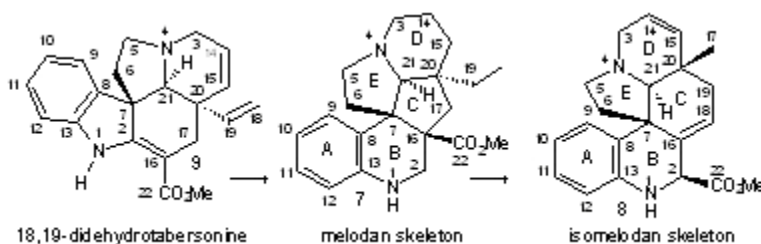
received Sep 6 2006; accepted Nov 2 2006; published Nov 17 2006;

**24. Molecular interrelations in the *Melodinus* alkaloids (UR-2213CU)**

László F. Szabó

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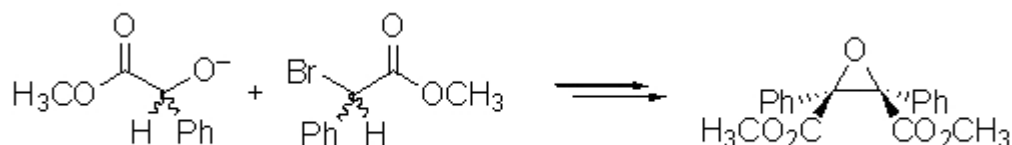
received Oct 9 2006; accepted Nov 30 2006; published Dec 17 2006;

**25. Unexpected course of a Williamson ether synthesis (UR-2244CP)**

Klaus-Peter Zeller, Peter Haiss, Meike Hartmann and Klaus Eichele

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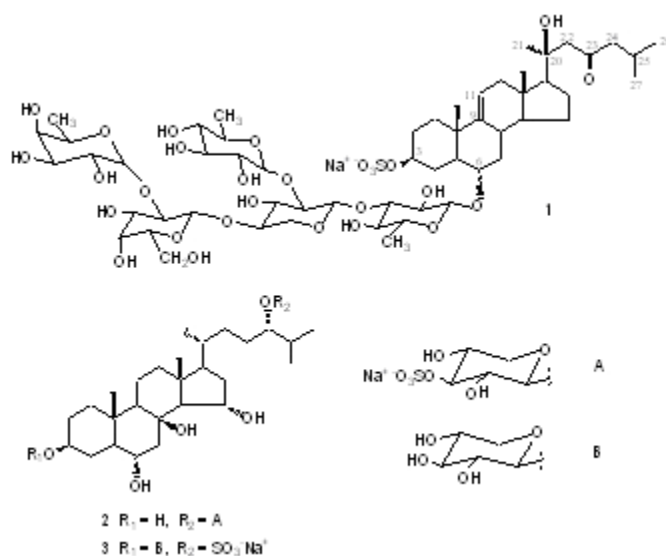
received Nov 3 2006; accepted Dec 5 2006; published Dec 17 2006;

**26. Identification of sulfated steroidal glycosides from the starfish *Heliaster helianthus* by electrospray ionization mass spectrometry (UR-2177CP)**

Marta S. Maier, Romina Centurión, Claudia Muniain, Renato Haddad and Marcos N. Eberlin

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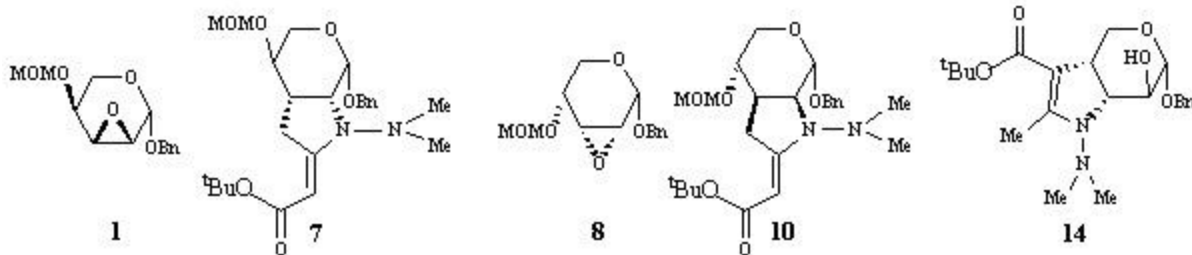
received Sep 27 2006; accepted Dec 5 2006; published Dec 17 2006;

## 27. New entries for regio- and enantiopure syntheses of pyrrolidene systems fused to carbohydrate templates (UR-2140CP)

Raed A. Al-Qawasmeh, Taleb H. Al-Telb, Khalid M. Khan and Wolfgang Voelter

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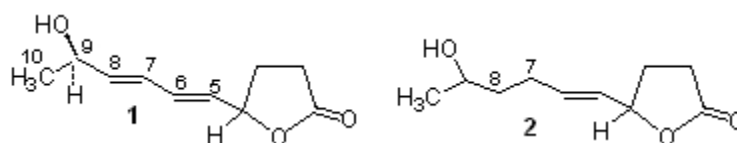
received Sep 5 2006; accepted Dec 19 2006; published Jan 10 2007;

## 28. Diplofuranones A and B, two further new 4-monosubstituted 2(3H)-dihydrofuranones produced by *Diplodia corticola*, a fungus pathogen of cork oak (UR-2182CP)

Antonio Evidente, Anna Andolfi, Michele Fiore, Emanuela Spanu, Antonio Franceschini and Lucia Maddau

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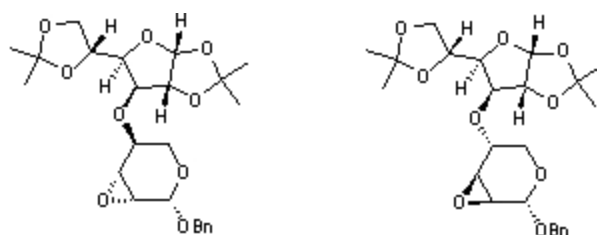
received Sep 28 2006; accepted Dec 18 2006; published Jan 13 2007;

**29. Synthesis of 3,4-disaccharides from pyranosides and furanosides monomers, a novel class of potential bioactive disaccharides (UR-2162CP)**

*Muhammad Abbas, Bernhard Westermann and Wolfgang Voelter*

Full Text: [PDF \(238K\)](#)

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received Sep 19 2006; accepted Jan 10 2007; published Jan 23 2007;

**30. Studies on *Betula* essential oils (UR-2307CR)**

*K. HÅ¼snÅ¼ Can BaÅ¼er and BetÅ¼l Demirci*

Full Text: [PDF \(334K\)](#)

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A compilation of the recent research into essential oils of eight *Betula* species and their antifungal, antimicrobial and antioxidant activities.

received Dec 14 2006; accepted Jan 30 2007; published Feb 6 2007;

**31. New phenolic derivatives from *Vernonia mapirensis* Gleason (UR-2258CP)**

*Luis Morales-Escobar, Alessandra Braca, Cosimo Pizza and Nunziatina De Tommasi*

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**Six new phenolic derivatives were isolated from the aerial part extracts of *Vernonia mapirensis* Gleason (synonymous *Lepidaploa mapirensis* (Gleason) H. Robinson, *Vernonia trichoclada* Gleason, Asteraceae family), together with four known flavonoids.**

received Nov 13 2006; accepted Dec 19 2006; published Feb 9 2007;