

ARKIVOC Volume 2003

Part (vi): Commemorative Issue in Honor of Prof. Anastasios Varvoglis on the occasion of his 65th anniversary

Facilitator: Viktor V. Zhdankin  
Scientific Editor: Mikael Begtrup

1. A Tribute to Prof. Anastasios Varvoglis (AV-467AT)

Viktor V. Zhdankin

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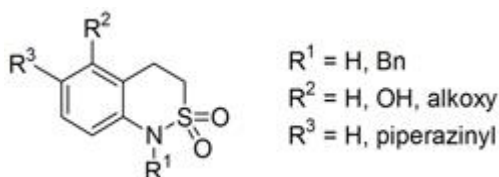
accepted Jan 4 2003; published Jan 8 2003;

2. Preparation of 3,4-dihydro-2,1-benzothiazine 2,2-dioxides with polymer-supported hypervalent iodine reagents (AV-664AP)

Kenji Sakuratani and Hideo Togo

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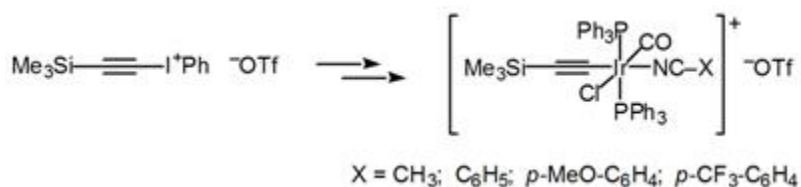
received Jan 28 2003; accepted Feb 24 2003; published Mar 4 2003;

3. Alkynyl(phenyl) iodonium triflates as precursors to iridium(III)  $\sigma$ -acetylide complexes (AV-669AP)

Darren Bykowski, Robert McDonald and Rik R. Tykwinski

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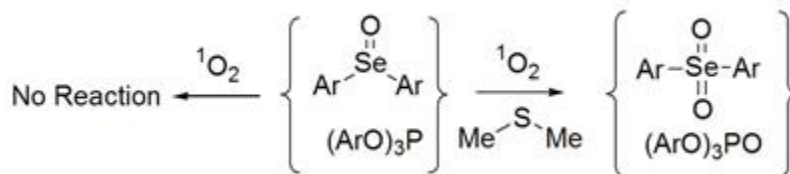
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**4. An indirect method for the oxidation of aryl phosphites to phosphates and aryl selenoxides to selenones (AV-672AP)**

*Nikoletta Sofikiti and Manolis Stratakis*

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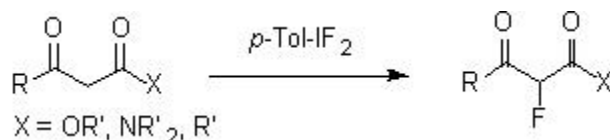
received Feb 3 2003; accepted Mar 6 2003; published Mar 18 2003;

**5.  $\alpha$ -Fluorination of  $\beta$ -dicarbonyl compounds using *p*-iodotoluene difluoride under neutral conditions (AV-649AP)**

*Masanori Yoshida, Komei Fujikawa, Saeko Sato and Shoji Hara*

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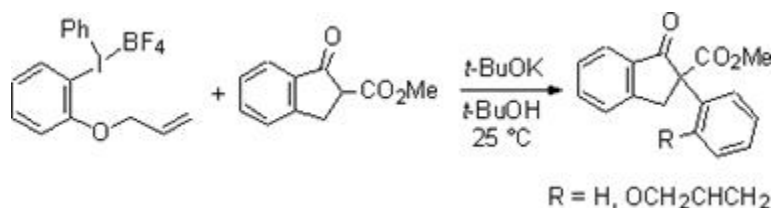
received Jan 14 2003; accepted Mar 24 2003; published Mar 26 2003;

**6. On the mechanism of  $\alpha$ -phenylation of  $\beta$ -keto esters with diaryl- $\lambda^3$ -iodanes: evidence for a non-radical pathway (AV-559AP)**

*Masahito Ochiai, Yutaka Kitagawa and Mika Toyonari*

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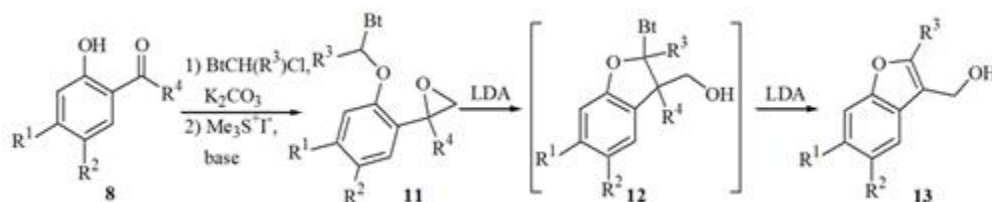
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### 7. Syntheses of 3-hydroxymethyl-2,3-dihydrobenzofurans and 3-hydroxymethylbenzofurans (AV-622AP)

Alan R. Katritzky, Kostyantyn Kirichenko, Yu Ji, Peter J. Steel and Mati Karelson

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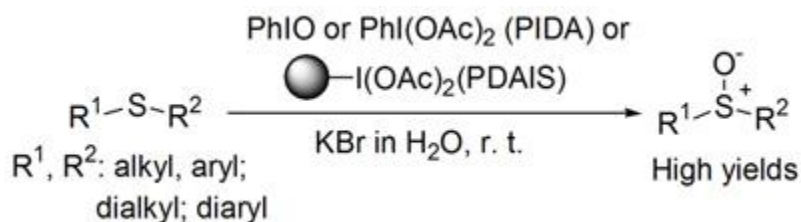
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### 8. Facile and efficient oxidation of sulfides to sulfoxides in water using hypervalent iodine reagents (AV-667AP)

Hirofumi Tohma, Tomohiro Maegawa and Yasuyuki Kita

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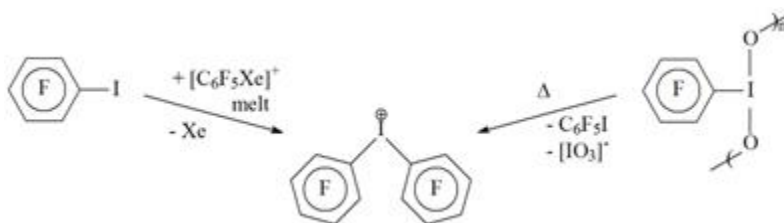
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### 9. Two special pathways to perfluoroaryl iodonium salts: the migration of the nucleophilic aryl group in C<sub>6</sub>F<sub>5</sub>I and the electrophilic arylation of C<sub>6</sub>F<sub>5</sub>I with [C<sub>6</sub>F<sub>5</sub>Xe]<sup>+</sup> salts (AV-682AP)

Joachim Helber, Hermann-Josef Frohn, Angela Klose and Thomas Scholten

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received Feb 11 2003; accepted Mar 24 2003; published Apr 23 2003;

**10. Synthesis and characterization of novel polyvalent organoiodine compounds (AV-676AP)**

*Bindu V. Meprathu and John D. Protasiewicz*

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# A manuscript with 12 reference

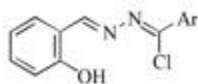
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**11. Reactions of *N*-acylhydrazones with thionyl chloride (AV-673AP)**

*Antigoni Kotali and Ioannis S. Lafazanis*

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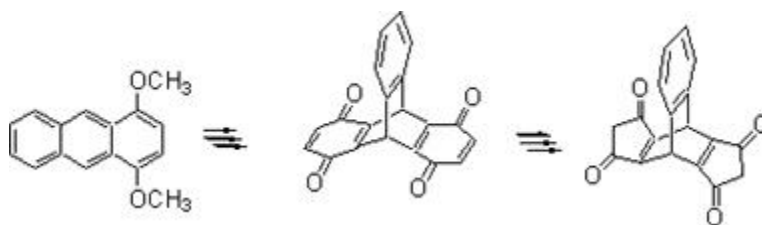
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**12. Triptycene quinones in synthesis: preparation of triptycene bis-cyclopentenedione (AV-630AP)**

*Spyros Spyroudis and Nikoletta Xanthopoulou*

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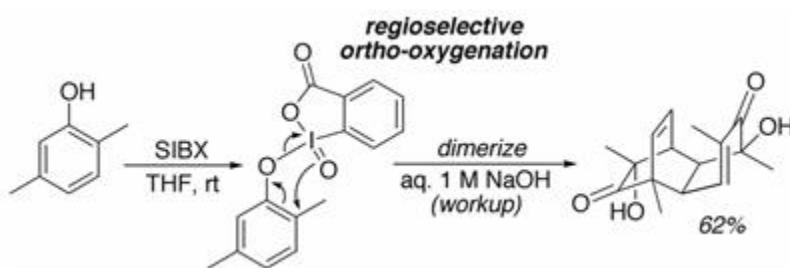
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### 13. Iodane-mediated and electrochemical oxidative transformations of 2-methoxy- and 2-methylphenols (AV-677AP)

*Stephane Quideau, Laurent Pouysegu, Denis Deffieux, Aurelie Ozanne, Julien Gagnepain, Isabelle Fabre and Mayalen Oxoby*

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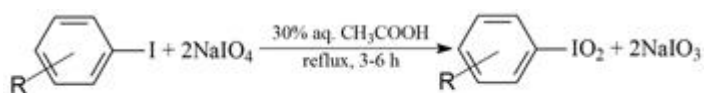
received Feb 1 2003; accepted Apr 30 2003; published May 6 2003;

### 14. Optimized syntheses of iodylarenes from iodoarenes, with sodium periodate as the oxidant. Part II (AV-657AP)

*Lukasz Kraszkiewicz and Lech Skulski*

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Similarly, 2-I-C<sub>6</sub>H<sub>4</sub>COOH afforded 2-OI-C<sub>6</sub>H<sub>4</sub>COOH

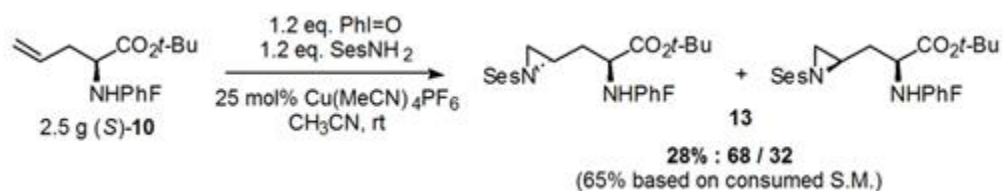
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### 15. Copper-catalyzed aziridination of allylglycine derivatives (AV-665AP)

Loïc Leman, Laurent Saniere, Philippe Dauban and Robert H. Dodd

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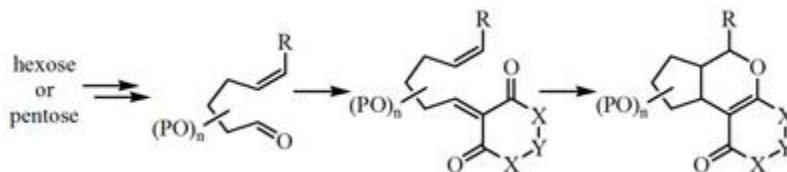
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### 16. Domino Knoevenagel hetero Diels-Alder reactions of sugar derived $\delta,\epsilon$ -unsaturated aldehydes (AV-668AP)

John K. Gallos and Alexandros E. Koumbis

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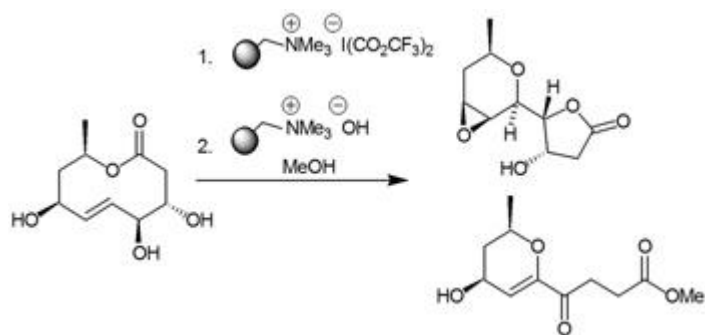
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### 17. Polymer-bound haloate(I) anions by iodine(III)-mediated oxidation of polymer-bound iodide: Synthetic utility in natural product transformations (AV-660AP)

Andreas Kirschning, Eike Kunst, Monika Ries, Lars Rose, Andreas SchÄ¶nberger and Rudolf Wartchow

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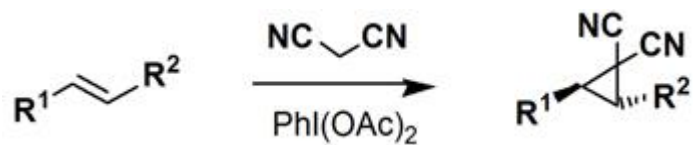
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### 18. Cyclopropanation of alkenes using hypervalent iodine reagents (AV-645AP)

*Andreas S. Biland, Sabine Altermann and Thomas Wirth*

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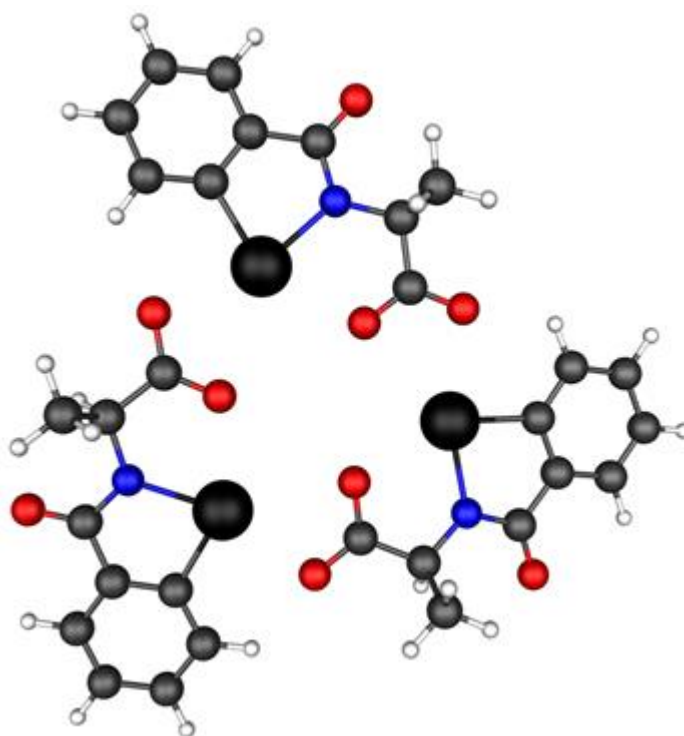
received Jan 10 2003; accepted Apr 1 2003; published Jun 6 2003;

### 19. Self-assembly of hypervalent iodine through primary and secondary bonding (AV-678AP)

*Paul Kiprof and Viktor Zhdankin*

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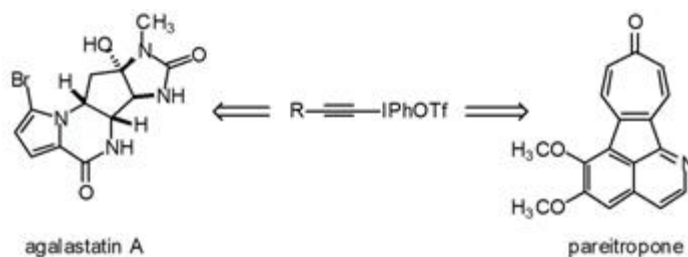
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**20. Application of alkynylidonium salts to natural products synthesis: A mini-review of recent work at Penn State (AV-644AR)**

*Ken S. Feldman*

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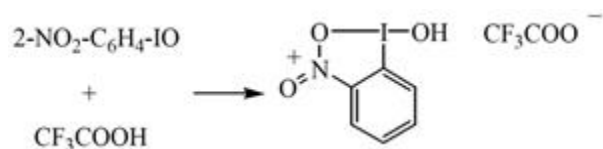
**21. Hypervalent iodine compounds derived from *o*-nitroiodobenzene and related compounds: syntheses and structures (AV-744AP)**

*Vladimir A. Nikiforov, Vladimir S. Karavan, Sergei A. Miltsov, Stanislav I. Selivanov, Erkki Kolehmainen, Elina Wegelius and Maija Nissinen*



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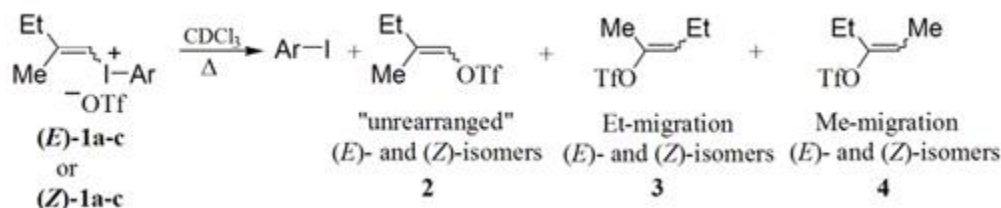
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## 22. Fragmentations of (*E*)- and (*Z*)- isomers of 2-methylbuten-1-yl(aryl)iodonium triflates: competing mechanisms for enol triflate formation (AV-745AP)

Robert J. Hinkle and Ann M. Mikowski

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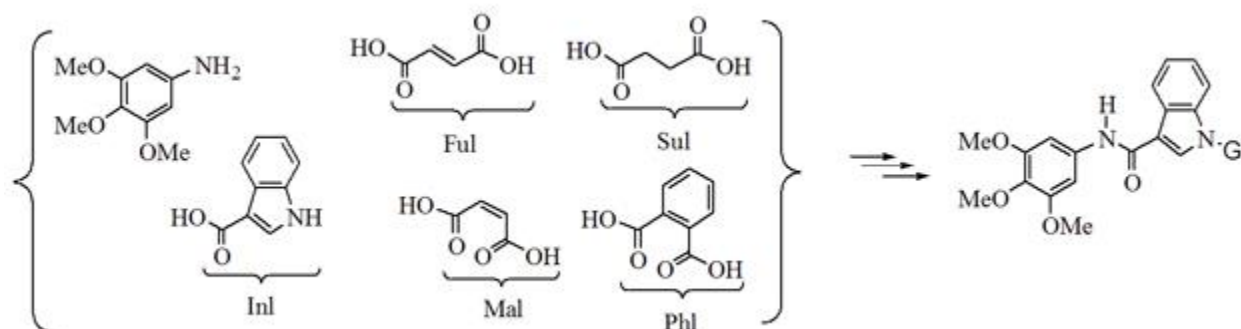
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## 23. Synthetic studies towards the development of a novel class of acitretin-type retinoids (AV-671AP)

George Magoulas and Dionissios Papaioannou

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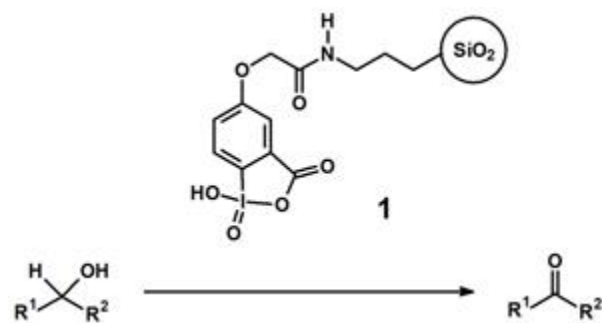
received Feb 3 2003; accepted Mar 28 2003; published Sep 12 2003;

**24. First synthesis and oxidative properties of polymer-supported IBX (AV-725AP)**

Marcel M<sup>1</sup>/<sub>4</sub>baier and Athanassios Giannis

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