

ARKIVOC Volume 2003

Part (vii): Commemorative Issue in Honor of Prof. Tony McKervery on the occasion of his 65th anniversary

Facilitator: Anita R. Maguire

Scientific Editor: Alan P. Marchand

1. A Tribute to Prof. M. Anthony McKervery (AM-469DT)

Anita R. Maguire

Full Text: [PDF \(59K\)](#)

pp. 1 - 3

accepted Nov 8 2002; published Nov 18 2002;

2. Addition of nucleophiles to (*E*)-3-phenylsulfonylprop-2-enenitrile: a route to β -substituted α,β -unsaturated nitriles and to acetals of cyanoacetaldehyde (AM-595DP)

David H. Grayson and Stephen H. O'Á'Donnell

Full Text: [PDF \(176K\)](#)

pp. 4 - 14

A review with 18 references

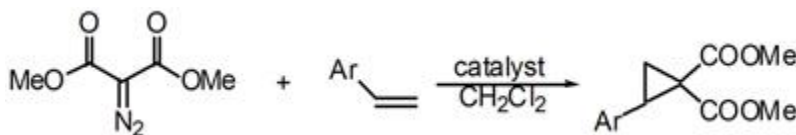
received Oct 30 2002; accepted Dec 27 2002; published Dec 31 2002;

3. Enantioselectivity for catalytic cyclopropanation with diazomalonates (AM-666DP)

Michael P. Doyle and Wenhao Hu

Full Text: [PDF \(111K\)](#)

pp. 15 - 22



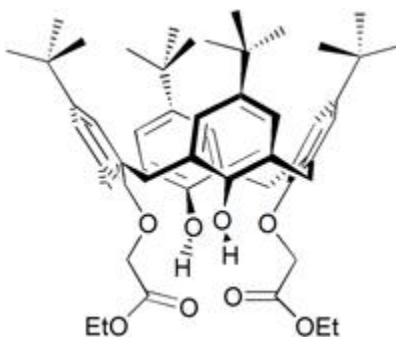
received Jan 30 2003; accepted Mar 6 2003; published Mar 24 2003;

4. Important calixarene derivatives – their synthesis and applications (AM-720DR)

Gillian McMahon, Shane O’Malley, Kieran Nolan and Dermot Diamond

Full Text: [PDF \(195K\)](#)

pp. 23 - 31



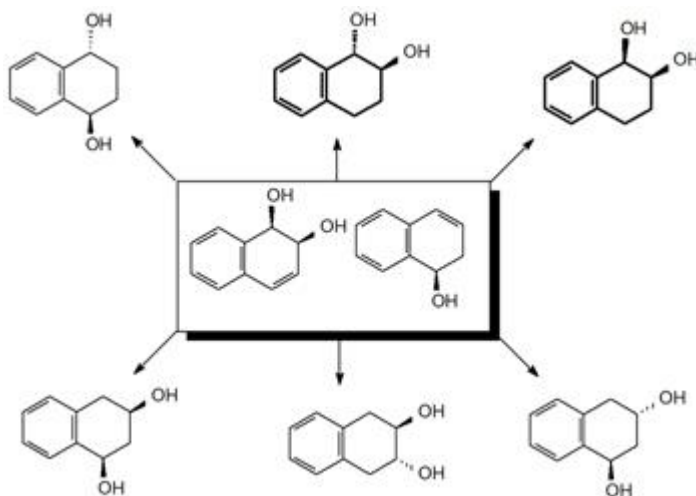
received Mar 5 2003; accepted Mar 24 2003; published Apr 17 2003;

5. Chemoenzymatic synthesis of enantiopure dihydroxy-1,2,3,4-tetrahydronaphthalenes (AM-707DP)

Derek R. Boyd, Narain D. Sharma, Nuala A. Kerley, Gareth McConville, Christopher C. R. Allen and A. John Blacker

Full Text: [PDF \(383K\)](#)

pp. 32 - 48



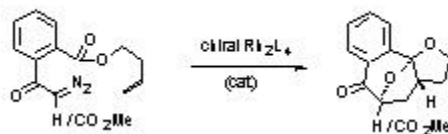
received Feb 27 2003; accepted Apr 7 2003; published Apr 18 2003;

6. Enantioselective intramolecular 1,3-dipolar cycloadditions of diazocarbonyl-derived oxidopyryliums (AM-713DP)

David M. Hodgson, Paul A. Stupple and Craig Johnstone

Full Text: [PDF \(160K\)](#)

pp. 49 - 58



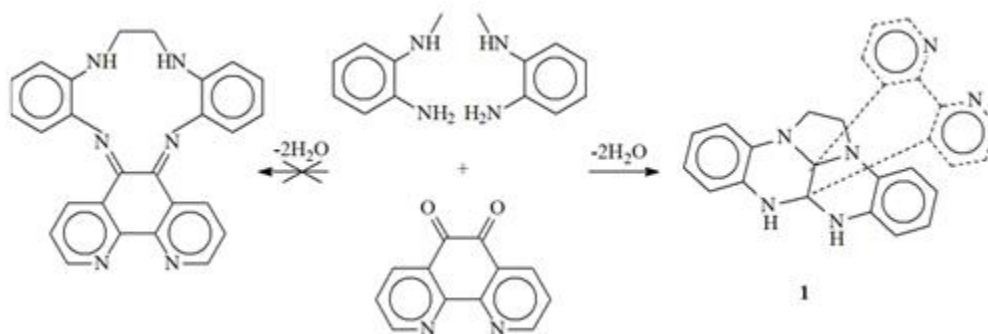
received Feb 28 2003; accepted Apr 14 2003; published Apr 18 2003;

7. Synthesis and X-ray crystal structure of a tetracyclic gem-*cis*-bis(aminal) formed from *N,N'*-bis(2-aminophenyl)ethylenediamine and 1,10-phenanthroline-5,6-dione (AM-710DP)

Barry Coyle, Malachy McCann, Vickie McKee and Michael Devereux

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

pp. 59 - 66



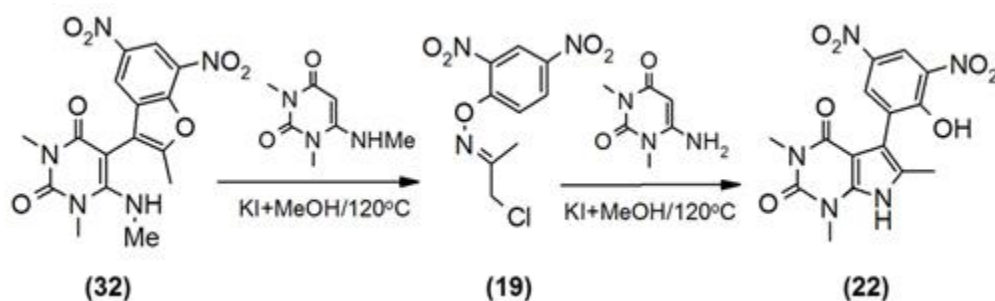
received Feb 27 2003; accepted Apr 14 2003; published Apr 18 2003;

8. Sigmatropic rearrangements of 2,4-dinitrophenyl oximes (AM-721DP)

Peter H. Boyle, Haslin Dato Paduka Ali and Thomas J. McDonald

Full Text: [PDF \(232K\)](#)

pp. 67 - 79



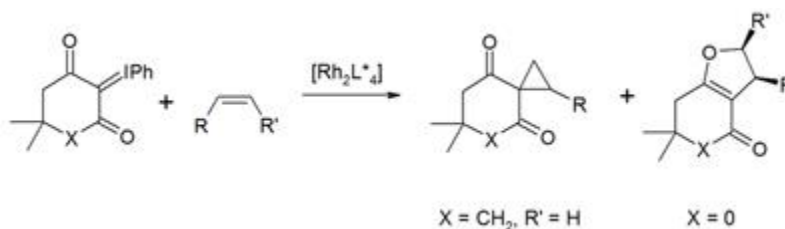
received Mar 5 2003; accepted Apr 14 2003; published Apr 18 2003;

9. Selectivity in cyclopropanations and 1,3-cycloadditions in transition metal-catalyzed decompositions of 2-diazocyclohexane-1,3-diones and the corresponding phenyliodonium ylides (AM-714DP)

Paul MÄ¼ller, Yves F. Allenbach, Maria Ferri and GÄ©rard Bernardinelli

Full Text: [PDF \(251K\)](#)

pp. 80 - 95



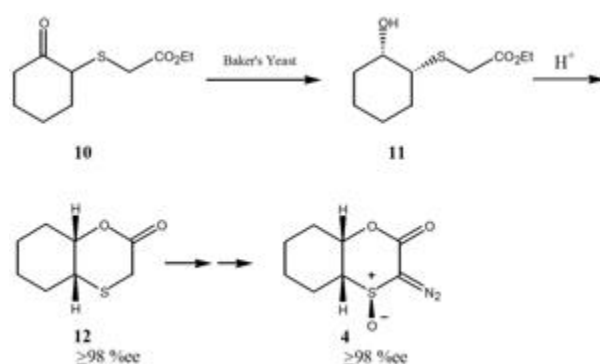
received Feb 28 2003; accepted Apr 14 2003; published Apr 30 2003;

10. Chemoenzymatic methods in the asymmetric synthesis of α -diazosulfoxides (AM-695DP)

Anita R. Maguire, Stuart G. Collins and Alan Ford

Full Text: [PDF \(267K\)](#)

pp. 96 - 109



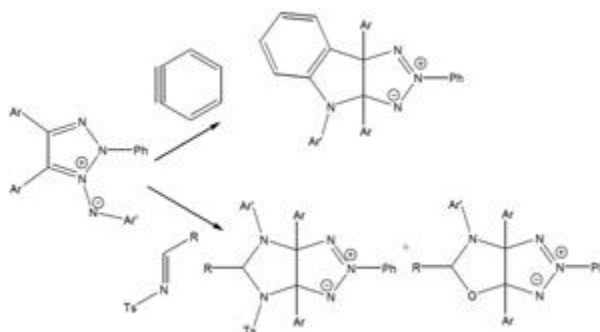
received Feb 18 2003; accepted Apr 22 2003; published May 1 2003;

11. Novel cycloadducts from the 1,3-dipolar cycloaddition reactions of triazolium-1-imide 1,3-dipoles (AM-712DP)

MairÃ©ad Sheridan, Paraic James and Cathal Healy

Full Text: [PDF \(120K\)](#)

pp. 110 - 120



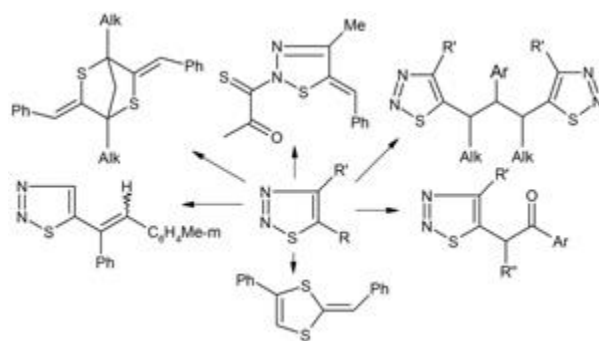
received Feb 28 2003; accepted Apr 22 2003; published May 3 2003;

12. New reactions of 4,5-disubstituted 1,2,3-thiadiazoles in the presence of NaH (AM-709DP)

Alan R. Katritzky, George N. Nikonov, Elizabeth L. Moyano, Novruz G. Akhmedov and Peter J. Steel

Full Text: [PDF \(302K\)](#)

pp. 121 - 138



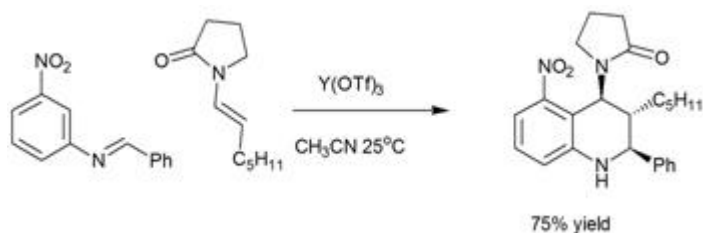
received Feb 27 2003; accepted Apr 25 2003; published May 4 2003;

13. Unprecedented regio and stereocontrol in Povarov reaction of benzylidene-(3-nitrophenyl)amine (AM-717DP)

Paul J. Stevenson and Isla Graham

Full Text: [PDF \(71K\)](#)

pp. 139 - 144



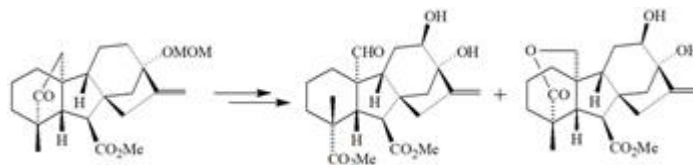
received Mar 1 2003; accepted Apr 25 2003; published May 8 2003;

14. Synthesis and structure determination of three new 12 β -hydroxy C₂₀ gibberellins (GA₁₂₇, GA₁₂₈ and GA₁₂₉) (AM-705DP)

Sarah K. Leitch, Patrick S. Blake and Lewis N. Mander

Full Text: [PDF \(285K\)](#)

pp. 145 - 160



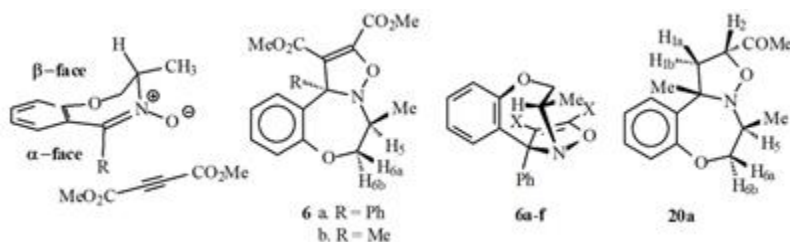
received Feb 24 2003; accepted Apr 11 2003; published May 11 2003;

15. Isoxazolo[2,3-*d*][1,4]benzoxazepine rings from 1,3-dipolar cycloaddition of [1,4]benzoxazepine *N*-oxides with acetylenic and olefinic dipolarophiles (AM-724DP)

Frances Heaney, Colm O'Á'Mahony, Patrick McArdle and Desmond Cunningham

Full Text: [PDF \(377K\)](#)

pp. 161 - 179



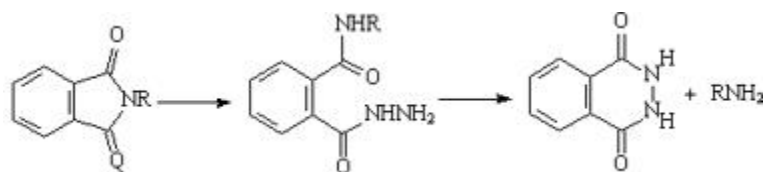
received Mar 7 2003; accepted May 2 2003; published May 11 2003;

16. Intermediates in the Ing-Manske reaction (AM-688DP)

O. M. Sinead Curley, Joan E. McCormick, R. Stanley McElhinney and T. Brian H. McMurry

Full Text: [PDF \(109K\)](#)

pp. 180 - 189



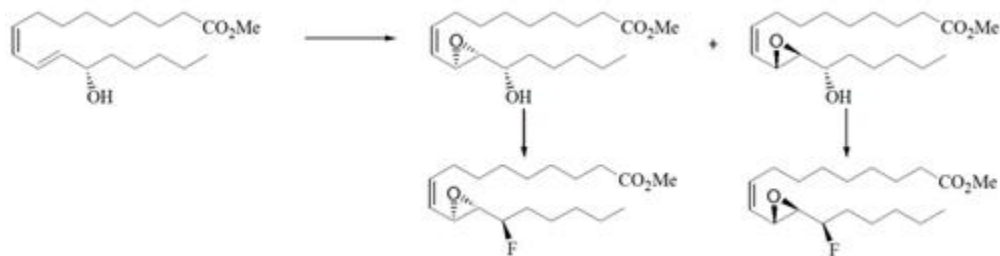
received Feb 12 2003; accepted May 8 2003; published May 17 2003;

17. Stereoselective preparations of epoxy-, fluoro- and related derivatives of ricinoleic acid and 13(*S*)-hydroxyoctadeca-9(*Z*),11(*E*)-dienoic acid (AM-704DP)

Muhammad Nor Bin Omar, Richard J. Hamilton and Humphrey A. Moynihan

Full Text: [PDF \(123K\)](#)

pp. 190 - 199



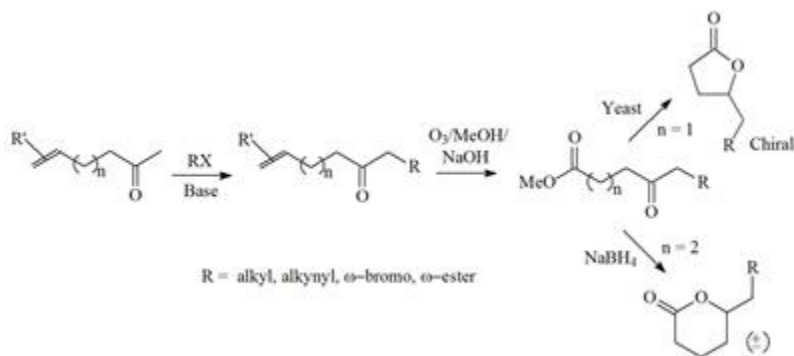
received Feb 24 2003; accepted May 6 2003; published May 17 2003;

18. A versatile kinetic alkylation-ozonolysis route for the synthesis of lactones: chiral γ -lactones and racemic δ -lactones (AM-715DP)

Niall W.A. Geraghty and Declan P. Costello

Full Text: [PDF \(329K\)](#)

pp. 200 - 215



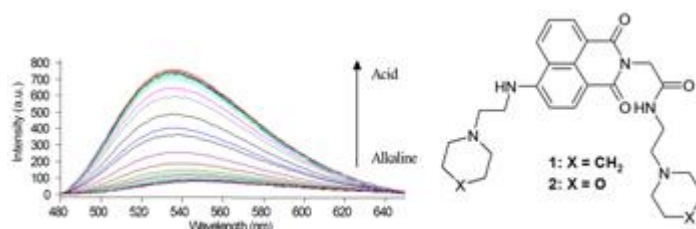
received Mar 3 2003; accepted May 26 2003; published May 28 2003;

19. Towards the development of controllable and reversible 'on-off' luminescence switching in soft-matter; synthesis and spectroscopic investigation of 1,8-naphthalimide-based PET (photoinduced electron transfer) chemosensors for pH in water-permeable hydrogels (AM-718DP)

Thorfinnur Gunnlaugsson, Colin P. McCoy, Ryan J. Morrow Caroline Phelan and Floriana Stomeo

Full Text: [PDF \(270K\)](#)

pp. 216 - 228



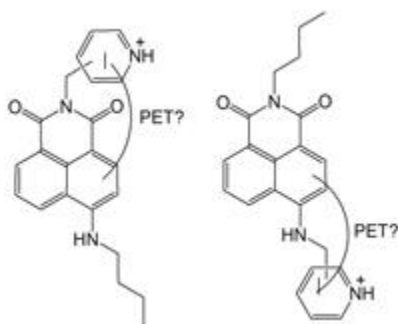
received Mar 1 2003; accepted May 27 2003; published May 30 2003;

20. The pH-dependent fluorescence of pyridylmethyl-4-amino-1,8-naphthalimides (AM-722DP)

A. Prasanna de Silva, Anne Goligher, H.Q. Nimal Gunaratne and Terence E. Rice

Full Text: [PDF \(343K\)](#)

pp. 229 - 243



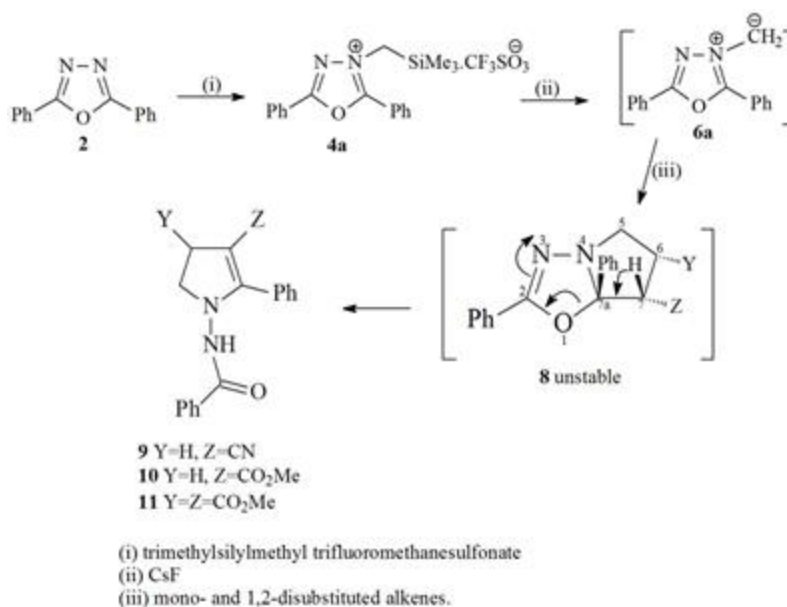
received Mar 5 2003; accepted May 26 2003; published May 30 2003;

21. The reaction of unstabilised 1,3,4-oxadiazolium-*N*-methanide 1,3-dipoles with alkenes: *N*-substituted Δ -2-pyrrolines: contrast with the 1,3,4-thiadiazolium analogue (AM-647DP)

Richard N. Butler, Martin O. Cloonan, Georgina M. Smyth, Patrick McArdle and Desmond Cunningham

Full Text: [PDF \(207K\)](#)

pp. 244 - 254



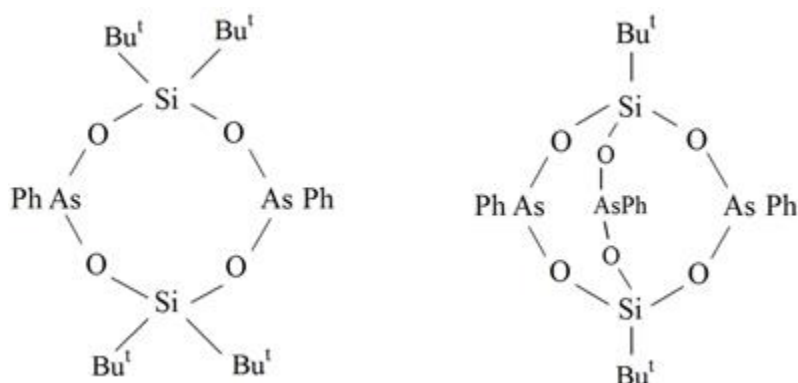
received Jan 10 2003; accepted May 27 2003; published Jun 5 2003;

22. Synthesis and structures of ring and cage compounds containing Si-O-As bonds (AM-728DP)

George Ferguson, Brian J. O'Leary and Trevor R. Spalding

Full Text: [PDF \(325K\)](#)

pp. 255 - 267



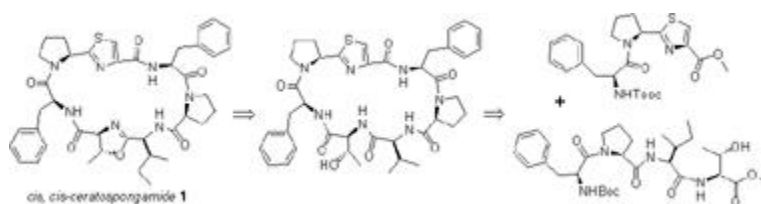
received Mar 7 2003; accepted Jun 3 2003; published Jun 10 2003;

23. Total synthesis of *cis*, *cis*-ceratospongamide (AM-723DP)

Zhiyong Chen, Jingen Deng and Tao Ye

Full Text: [PDF \(308K\)](#)

pp. 268 - 285



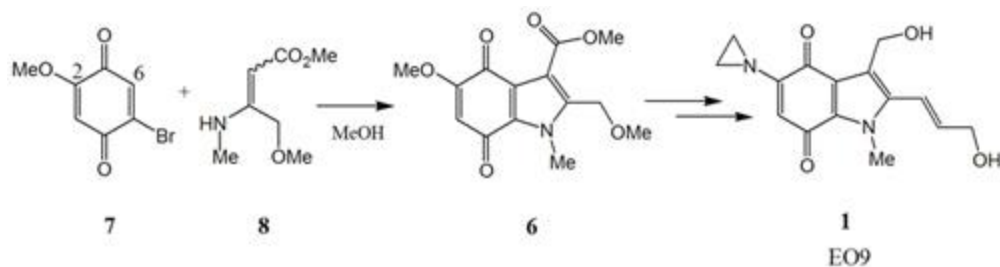
received Mar 5 2003; accepted Jun 4 2003; published Jun 10 2003;

24. The bromoquinone annulation reaction: a formal total synthesis of EO9 (AM-738DP)

Eamon Comer and William S. Murphy

Full Text: [PDF \(120K\)](#)

pp. 286 - 296



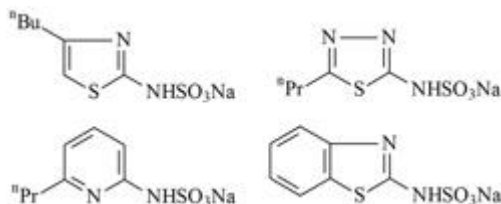
received Mar 20 2003; accepted Jun 18 2003; published Jun 20 2003;

25. Synthesis of heterosulfamates. Search for structure-taste relationships (AM-736DP)

Wm. J. Spillane, Lorraine M. Kelly, Brendan G. Feeney, Michael G. B. Drew and Channa K. Hattotuwigama

Full Text: [PDF \(260K\)](#)

pp. 297 - 309



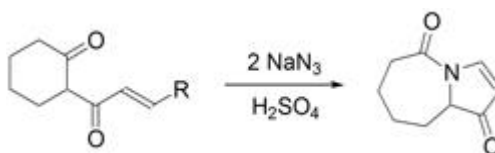
received Mar 11 2003; accepted Jun 26 2003; published Jul 1 2003;

26. Synthesis of bicyclic lactams using novel Schmidt reactions (AM-735DP)

Mike Casey, John A. Donnelly, Joseph C. Ryan and Satoshi Ushioda

Full Text: [PDF \(180K\)](#)

pp. 310 - 327



received Mar 10 2003; accepted Jun 29 2003; published Jul 3 2003;

27. Recent developments in chiral non-racemic sulfinyl group chemistry in asymmetric synthesis (AM-731DR)

Gilles Hanquet, Françoise Colobert, Steve Lanners and Guy Solladié

Full Text: [PDF \(729K\)](#)

pp. 328 - 401

A review with 210 references

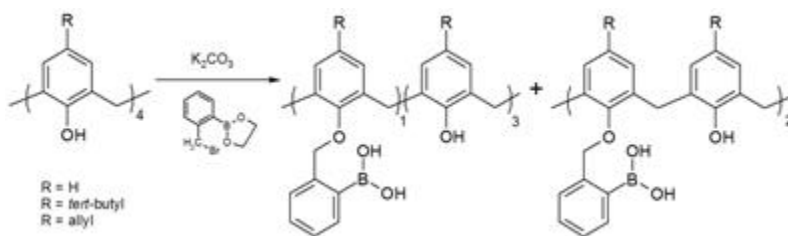
received Mar 7 2003; accepted Jun 26 2003; published Jul 7 2003;

28. Synthesis of mono- and diboronic acid calix[4]arene receptors (AM-739DP)

Jeremy D. Glennon, Andrew Walker and M. Anthony McKervey

Full Text: [PDF \(121K\)](#)

pp. 402 - 411



received Mar 21 2003; accepted Jul 18 2003; published Jul 19 2003;