

ARKIVOC Volume 2005

Part (ix): Commemorative Issue in Honor of Prof. Jose Elguero on the occasion of his 70th anniversary
and Prof. Pedro Molina on the occasion of his 60th anniversary

Facilitator: Miguel Yus

Scientific Editor: Anthony Waring

1. A Tribute to Prof. Pedro Molina (ME-499HT)

Full Text: [PDF \(99K\)](#)

pp. 1 - 4

accepted Sep 23 2004; published Oct 2 2004;

2. A Tribute to Prof. Jose Elguero (ME-1400HT)

Full Text: [PDF \(32K\)](#)

pp. 5 - 9

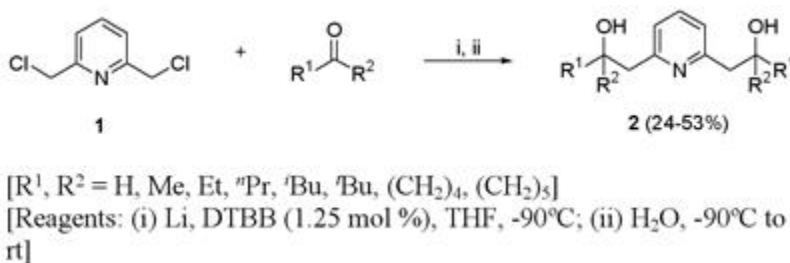
accepted Sep 23 2004; published Oct 8 2004;

3. DTBB-catalysed lithiation of 2,6-bis(chloromethyl)pyridine (ME-1240HP)

Cecilia GÃmez, Beatriz MaciÃj and Miguel Yus

Full Text: [PDF \(135K\)](#)

pp. 10 - 20



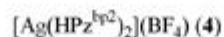
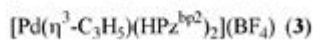
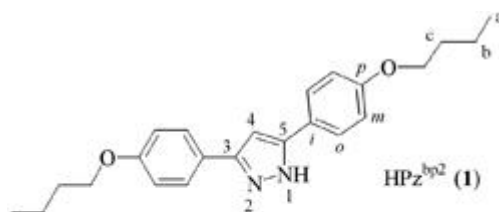
received Sep 6 2004; accepted Nov 23 2004; published Nov 30 2004;

4. Multinuclear NMR study of Au(I), Pd(II) and Ag(I) pyrazole complexes to investigate the coordination mode (ME-1237HP)

Pilar Cornago, Rosa M. Claramunt, Mercedes Cano, JosÃ© Vicente Heras and M. Luz Gallego

Full Text: [PDF \(220K\)](#)

pp. 21 - 29



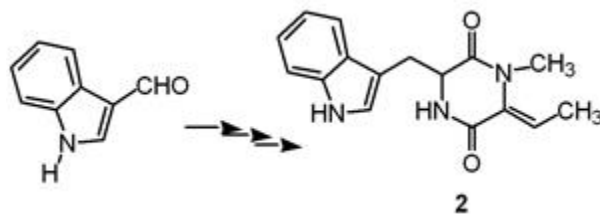
received Oct 4 2004; accepted Jan 7 2005; published Jan 12 2005;

5. Reinvestigation of tryptophan-dehydrobutyrine diketopiperazine structure (ME-1304HP)

Carmen Avendaño, Nieves Cabezas, Elena de la Cuesta, J. Francisco González

Full Text: [PDF \(152K\)](#)

pp. 30 - 38



received Dec 14 2004; accepted Jan 12 2005; published Jan 20 2005;

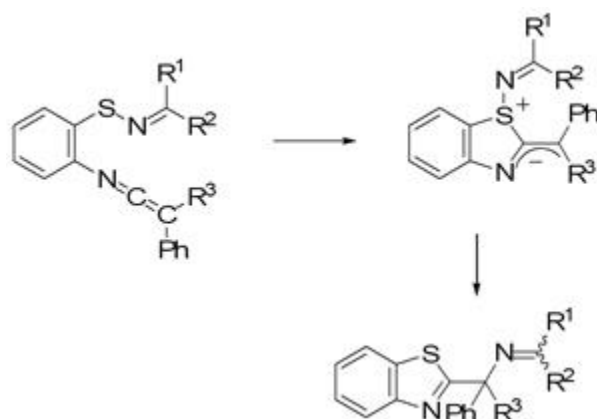
6. A novel benzothiazole synthesis by cyclization of ketenimines bearing sulfenylimine fragments.

Unexpected sulfur to carbon migration of an imino group (ME-1288HP)

Mateo Alajarán, Ángel Vidal, Fulgencio Tovar, Peter G. Jones, Delia Bautista

Full Text: [PDF \(249K\)](#)

pp. 39 - 50



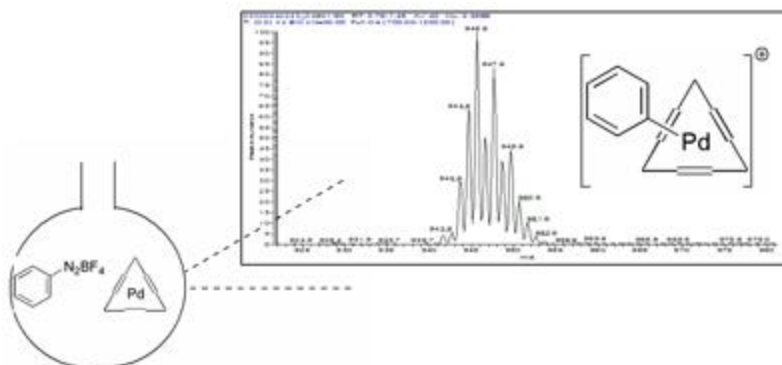
received Nov 26 2004; accepted Jan 13 2005; published Jan 25 2005;

7. ESI-mass spectrometry as a tool for investigating the mechanistic role of a 15-membered triolefinic macrocyclic palladium(0) complex in the Heck reaction (ME-1282HP)

Anna Pla-Quintana and Anna Roglans

Full Text: [PDF \(256K\)](#)

pp. 51 - 62



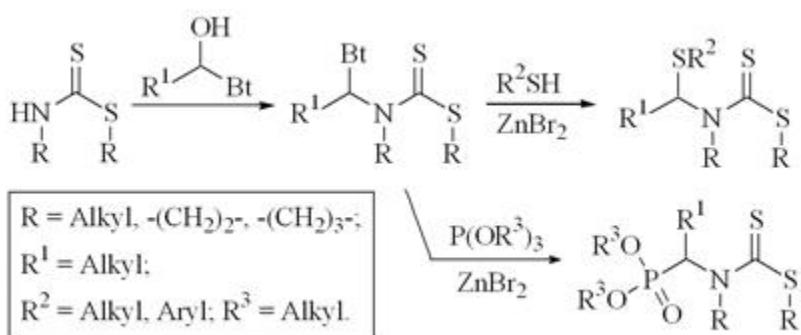
received Nov 19 2004; accepted Jan 18 2005; published Jan 27 2005;

8. Synthesis of functionalised dithiocarbamates via *N*-(1-benzotriazolylalkyl)dithiocarbamates (ME-1268HP)

Alan R. Katritzky, Shailendra Singh, Prabhu P. Mohapatra, Nicole Clemens and Kostyantyn Kirichenko

Full Text: [PDF \(166K\)](#)

pp. 63 - 79



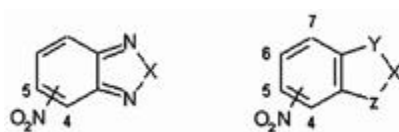
received Nov 5 2004; accepted Jan 23 2005; published Feb 1 2005;

9. Quantum-chemical studies of benzazoles nitration (ME-1296HP)

Martin Breza, Viktor Milata

Full Text: [PDF \(124K\)](#)

pp. 80 - 89



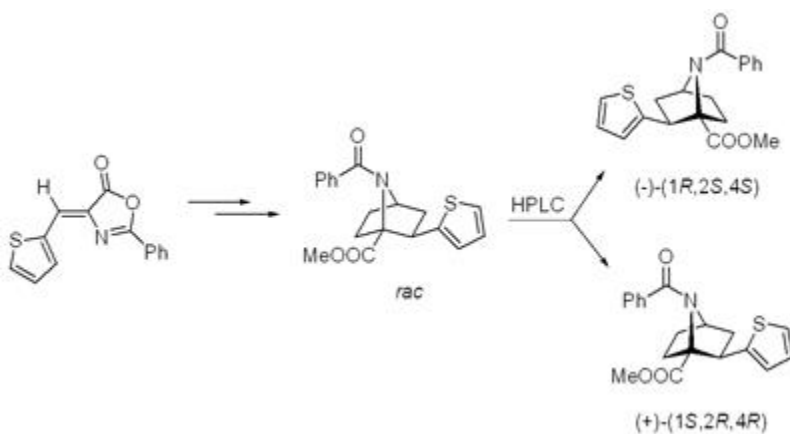
received Dec 7 2004; accepted Jan 27 2005; published Feb 3 2005;

10. Application of a new methodology for the synthesis and resolution of a α -(thien-2-yl) proline with the 7-azanorbornane skeleton (ME-1319HP)

Ana M. Gil, Elena Buñuel and Carlos Cativiela

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

pp. 90 - 103



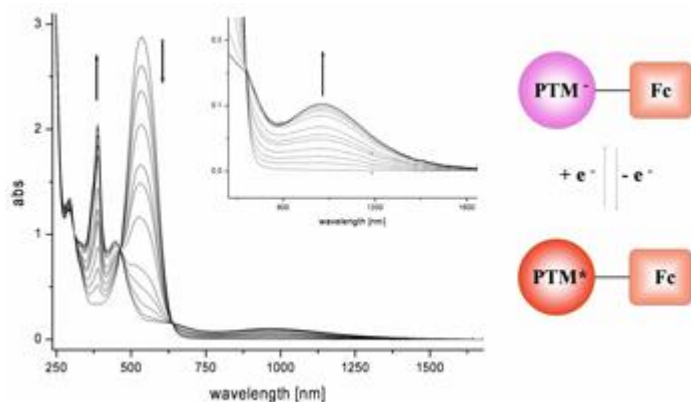
received Dec 22 2004; accepted Feb 10 2005; published Feb 22 2005;

11. Ferrocene triphenylmethyl radical donor-acceptor compounds. Towards development of multifunctional molecular switches (ME-1305HP)

Christian Sporer, Imma Ratera, Klaus Wurst, Daniel Ruiz-Molina, ConcepciÃ³ Rovira and Jaume Veciana

Full Text: [PDF \(347K\)](#)

pp. 104 - 114



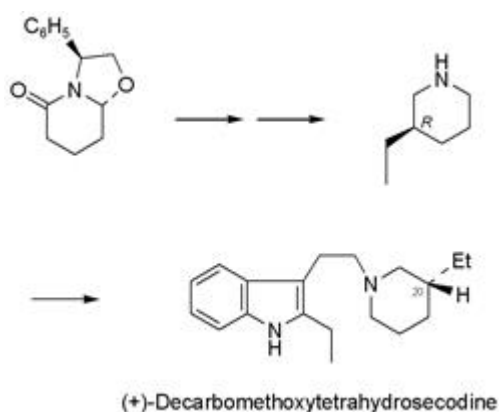
received Dec 15 2004; accepted Feb 10 2005; published Feb 25 2005;

12. Alkylation of phenylglycinol-derived bicyclic lactams. Enantioselective synthesis of 3-alkylpiperidines (ME-1272HP)

Mercedes Amat, Carmen Escolano, NÃºria Llor, Oscar Lozano, Arantxa GÃ³mez-EsquÃ©, Rosa Griera and Joan Bosch

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

pp. 115 - 123



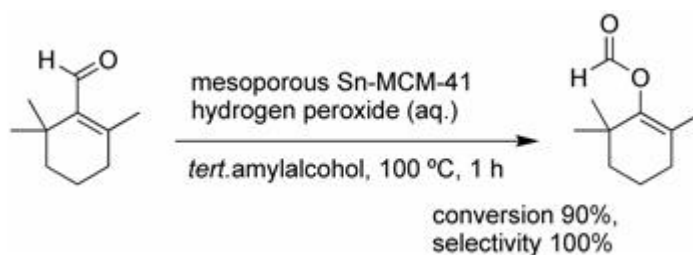
received Nov 8 2004; accepted Feb 10 2005; published Mar 2 2005;

13. Mesoporous molecular sieve Sn-MCM-41 as Baeyer-Villiger oxidation catalyst for sterically demanding aromatic and α,β -unsaturated aldehydes (ME-1342HP)

Avelino Corma, Sara Iborra, MarÃa Mifsud and Michael Renz

Full Text: [PDF \(171K\)](#)

pp. 124 - 132



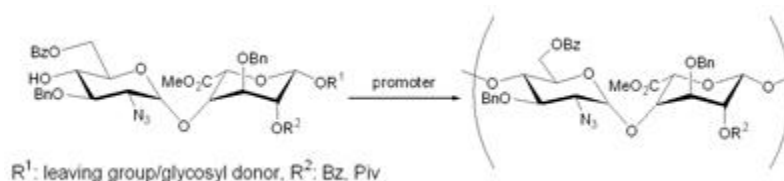
received Jan 11 2005; accepted Feb 16 2005; published Mar 8 2005;

14. An exploratory study on the synthesis of heparin-like oligosaccharides by polycondensation (ME-1315HP)

Niels-Christian Reichardt, Manuel MartÃn-Lomas

Full Text: [PDF \(206K\)](#)

pp. 133 - 145



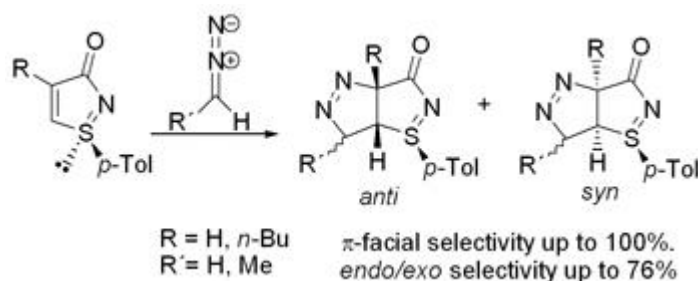
received Dec 22 2004; accepted Feb 17 2005; published Mar 11 2005;

15. Asymmetric 1,3-dipolar reactions of cyclic vinyl *p*-tolyl sulfinimines with diazoalkanes (ME-1314HP)

José L. García Ruano, Lorena González Gutiérrez, Esther Torrente and Ana M. Martín Castro

Full Text: [PDF \(220K\)](#)

pp. 146 - 158



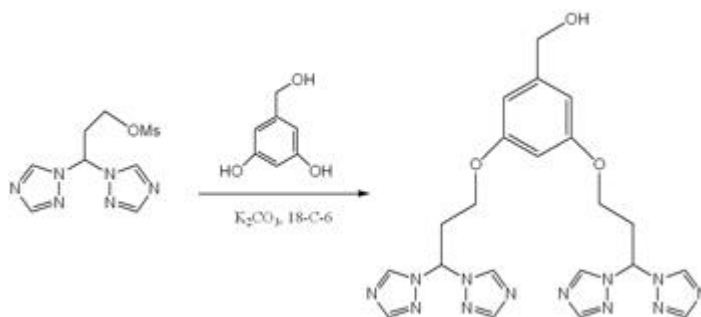
received Dec 21 2004; accepted Feb 17 2005; published Mar 11 2005;

16. Synthesis of 1,1'-methylenebis(1,2,4-triazole) functionalized in the methylene bridge. A new approach to dendrons bearing heterocyclic rings on the periphery (ME-1320HP)

Enrique Díaz-Barra, Javier Guerra, Valentín Hornillos, Sonia Merino, Julián Rodríguez-López, Prado Sánchez-Verdú, Juan Tejada and Juan Tolosa

Full Text: [PDF \(157K\)](#)

pp. 159 - 164



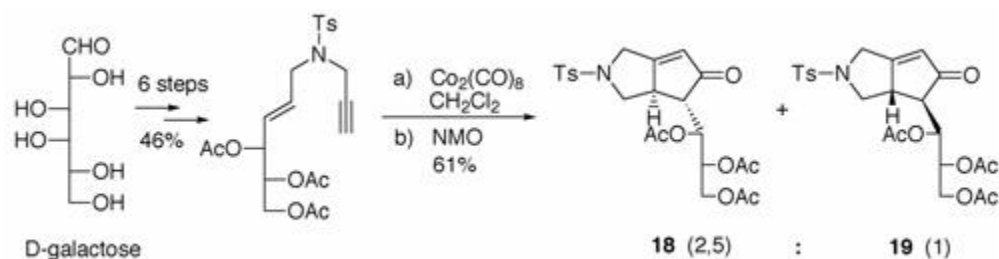
received Dec 23 2004; accepted Feb 25 2005; published Mar 13 2005;

17. From D-galactose to enantiopure 3-azabicyclo[3.3.0]octen-7-one derivatives via Pauson-Khand reaction (ME-1293HP)

Pilar Areces, Esther Carrasco and Joaquín Plumet

Full Text: [PDF \(234K\)](#)

pp. 165 - 174



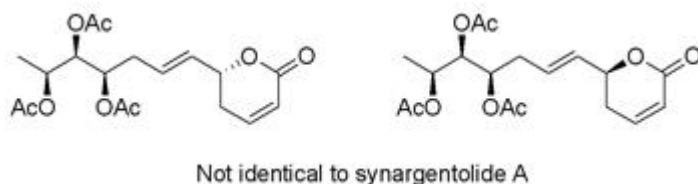
received Dec 2 2004; accepted Mar 8 2005; published Mar 13 2005;

18. Stereoselective synthesis of the published structure of synargentolide A and of one stereoisomer thereof (ME-1311HP)

Jorge Garc a-Fortanet, Juan Murga, Miguel Carda and J. Alberto Marco

Full Text: [PDF \(248K\)](#)

pp. 175 - 188



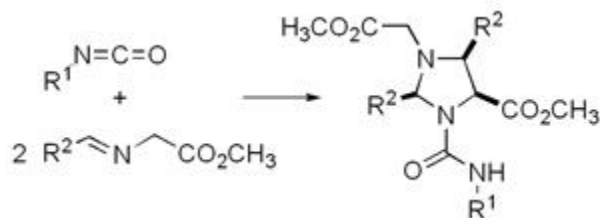
received Dec 19 2004; accepted Mar 18 2005; published Mar 25 2005;

19. Stereocontrolled formation of substituted imidazolidines in the reaction between *N*-metalated azomethine ylides and isocyanates (ME-1306HP)

Edurne Erkizia, Eneko Aldaba, Yosu Vara, Ana Arrieta, Heinz Gornitzka and Fernando P. Coss o

Full Text: [PDF \(200K\)](#)

pp. 189 - 199



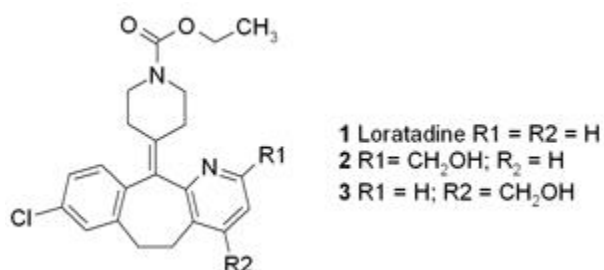
received Dec 14 2004; accepted Mar 18 2005; published Mar 25 2005;

20. Synthesis of 2- and 4-hydroxymethyl Loratadine, usual impurities in Loratadine syrup formulations
(ME-1329HP)

Verónica Cerrada, M. Paz MatÃa-MartÃn, J. Luis Novella and Julio Alvarez-Builla

Full Text: [PDF \(57K\)](#)

pp. 200 - 206



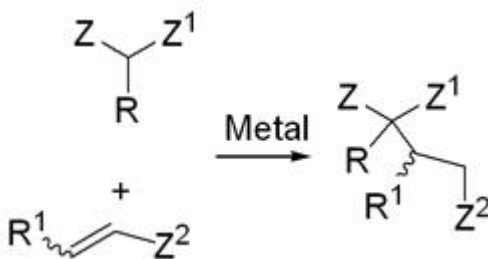
received Dec 31 2004; accepted Mar 21 2005; published Mar 25 2005;

21. Michael additions catalyzed by transition metals and lanthanides species. A review. Part 1.
Transition metals (ME-1302HR)

Josep Comelles, Marcial Moreno-MaÃas and Adelina Vallribera

Full Text: [PDF \(262K\)](#)

pp. 207 - 238



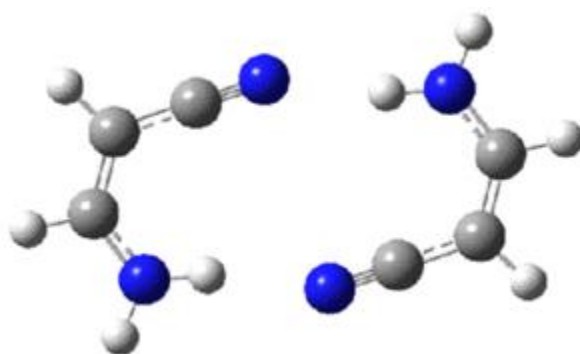
received Dec 15 2004; accepted Mar 22 2005; published Mar 26 2005;

22. A theoretical study on the dimers of aminoacrylonitrile (3-amino-2-propenenitrile), a compound of astrochemical interest (ME-1337HP)

Otilia MÃ³, Manuel YÃjÃez and Jean-Claude Guillemin

Full Text: [PDF \(369K\)](#)

pp. 239 - 252



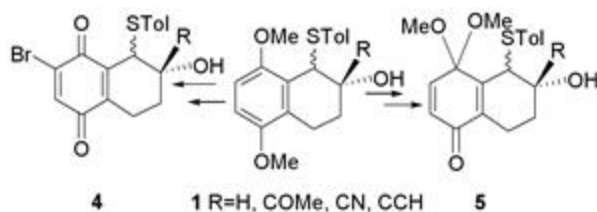
received Dec 22 2004; accepted Apr 1 2005; published Apr 7 2005;

23. Approaches to the stereocontrolled synthesis of anthracyclinones: Preparation of optically pure bicyclic intermediates for the regioselective construction of the tetracyclic skeleton (ME-1344HP)

José Luis García Ruano, Cristina García Paredes, José Alemán

Full Text: [PDF \(205K\)](#)

pp. 253 - 265



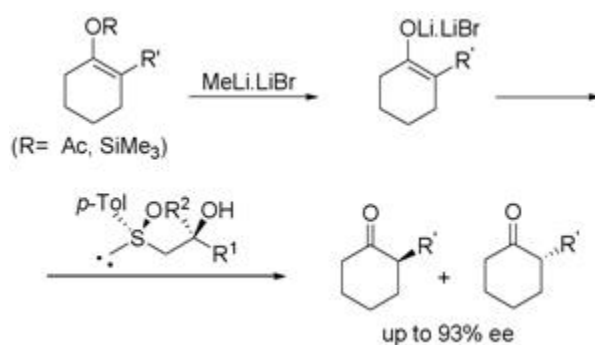
received Jan 11 2005; accepted Apr 1 2005; published Apr 8 2005;

24. From overstoichiometric to substoichiometric enantioselective protonation with 2-sulfinyl alcohols: A view in perspective (ME-1327HU)

Mercedes Medio-Simón, Pedro Alemán, Ana Cuenca, Jesús Gil, Nuria Rodríguez and Gregorio Asensio

Full Text: [PDF \(201K\)](#)

pp. 266 - 286



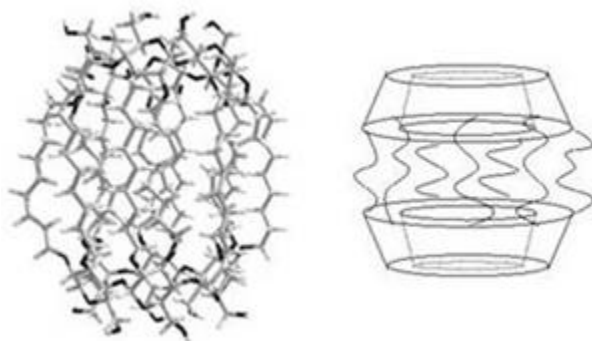
received Dec 31 2004; accepted Apr 1 2005; published Apr 8 2005;

25. Cyclodextrinic carcerands. I. Would they form inclusion complexes? Computational study on structure and energetics (ME-1318HP)

Kepa K. Burusco, Petko M. Ivanov and Carlos Jaime

Full Text: [PDF \(765K\)](#)

pp. 287 - 304



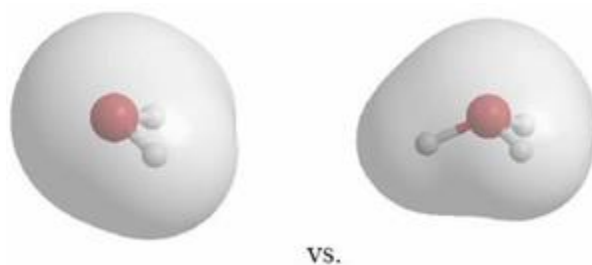
received Dec 24 2004; accepted Apr 5 2005; published Apr 14 2005;

26. Influence of protonation on the electron density derived properties (ME-1347HP)

Ibon Alkorta and Oscar Picazo

Full Text: [PDF \(74K\)](#)

pp. 305 - 320



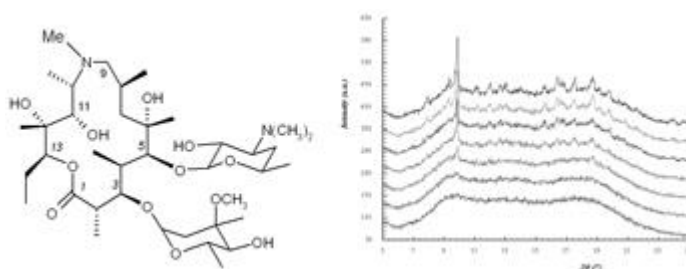
received Jan 13 2005; accepted Apr 12 2005; published Apr 14 2005;

27. An easy and general method to quantify Azithromycin dihydrate in a matrix of amorphous Azithromycin (ME-1323HP)

Jose Montejo-Bernardo, Santiago Garc a-Granda, Miguel Bayod-Jasanada, Isidro Llorente and Luj n Llavona

Full Text: [PDF \(262K\)](#)

pp. 321 - 331



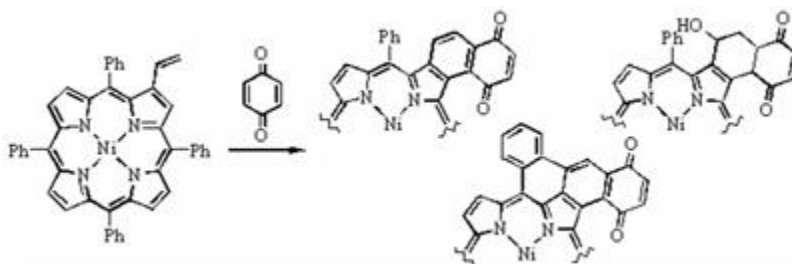
received Dec 30 2004; accepted Apr 12 2005; published Apr 14 2005;

28. Diels-Alder reactions of beta-vinyl-*meso*-tetraphenylporphyrin with quinones (ME-1324HP)

Maria A. F. Faustino, Maria G. P. M. S. Neves, Augusto C. Tom , Artur M. S. Silva and Jos  A. S. Cavaleiro

Full Text: [PDF \(147K\)](#)

pp. 332 - 343



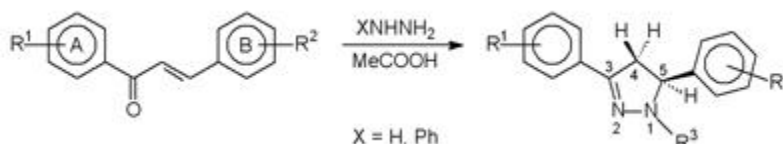
received Dec 30 2004; accepted Apr 15 2005; published Apr 19 2005;

29. Synthesis of chlorinated 3,5-diaryl-2-pyrazolines by the reaction of chlorochalcones with hydrazines (ME-1365HP)

Albert LÃ©vai

Full Text: [PDF \(118K\)](#)

pp. 344 - 352



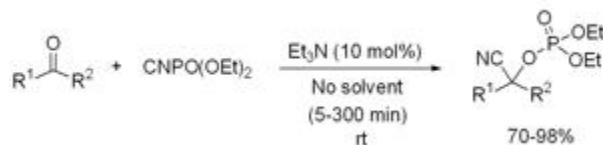
received Feb 15 2005; accepted May 3 2005; published May 5 2005;

30. Solvent-free synthesis of racemic cyanohydrin O-phosphates (ME-1397HP)

Alejandro Baeza, Carmen NÃ©jira and JosÃ© M. Sansano

Full Text: [PDF \(191K\)](#)

pp. 353 - 363



received Mar 22 2005; accepted Jun 9 2005; published Jun 15 2005;

31. Thermochemical study of arene carboxylic acids (ME-1361HR)

MarÃ­a Victoria Roux, Pilar JimÃ©nez, Rafael Notario, Manuel Temprado, Gloria MartÃ­n-Valcarcel, Joel F. Liebman

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

pp. 364 - 374

A review with 17 references

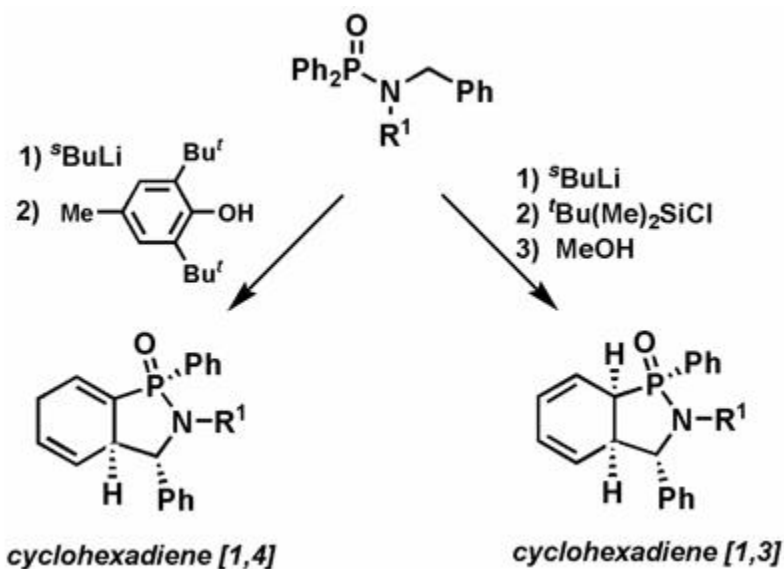
received Feb 8 2005; accepted Apr 22 2005; published Jun 20 2005;

32. Tuning the anionic cyclization-protonation of *N*-benzyl(diphenyl)phosphinamides. Highly efficient synthesis of tetrahydrobenzo-1-aza-2λ⁵-phospholes containing a 1,3-cyclohexadiene system (ME-1531HP)

Ignacio Fernández, Gloria Ruiz Gómez, María José Iglesias, Fernando López Ortiz, Ramón Álvarez-Manzaneda

Full Text: [PDF \(282K\)](#)

pp. 375 - 393



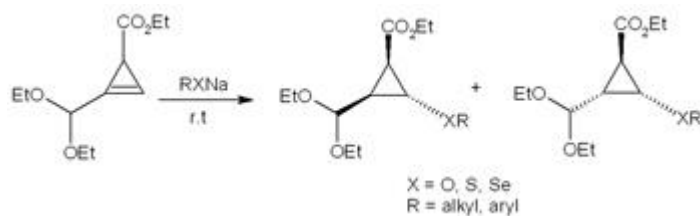
received Dec 31 2004; accepted Jul 13 2005; published Jul 19 2005;

33. Diastereoselective addition of heteroatom nucleophiles to ethyl 2-(diethoxymethyl)-cycloprop-2-ene-1-carboxylate (ME-1310HP)

Angeles Martínez-Grau, José M. Blasco, Rafael Ferritto, Juan F. Espinosa, Susana Mantecón and Juan J. Vaquero

Full Text: [PDF \(136K\)](#)

pp. 394 - 404



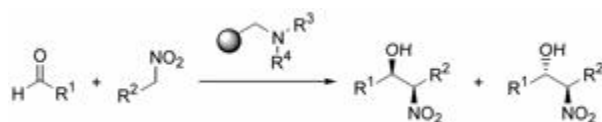
received Dec 16 2004; accepted Jun 16 2005; published Jun 21 2005;

34. Use of polymer-supported amines in catalytic nitroaldol reaction of nitroalkanes with aldehydes
(ME-1393HP)

Francisco Palacios, Jesús M. de los Santos and Domitila Aparicio

Full Text: [PDF \(182K\)](#)

pp. 405 - 414



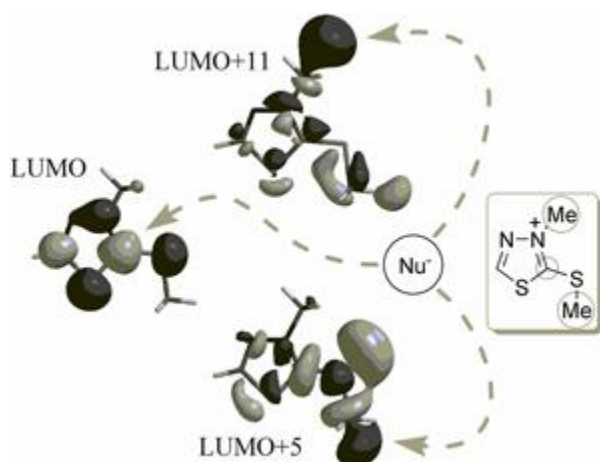
received Mar 18 2005; accepted Jun 21 2005; published Jun 28 2005;

35. Electrophilic behaviour of 3-methyl-2-methylthio-1,3,4-thiadiazolium salts: A multimodal theoretical approach (ME-1328HP)

Arturo Espinosa, Antonio Frontera, Rafaela Garc a, Miguel A. Soler and Alberto T jrraga

Full Text: [PDF \(436K\)](#)

pp. 415 - 437



received Dec 30 2004; accepted Jun 21 2005; published Jun 28 2005;