

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)

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accepted Sep 23 2004; published Oct 2 2004;

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

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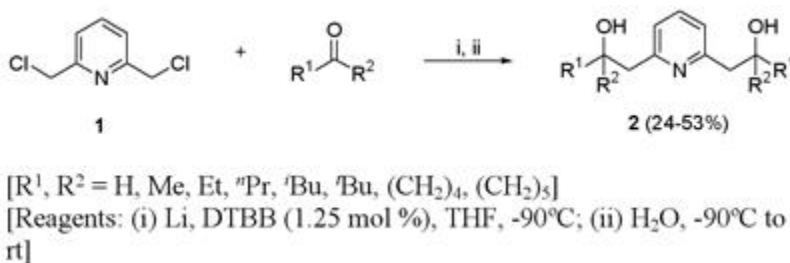
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3. DTBB-catalysed lithiation of 2,6-bis(chloromethyl)pyridine (ME-1240HP)

Cecilia GÃmez, Beatriz MaciÃj and Miguel Yus

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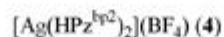
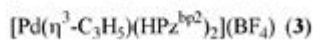
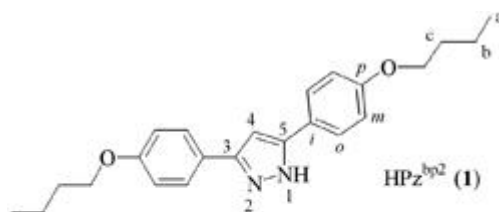
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4. Multinuclear NMR study of Au(I), Pd(II) and Ag(I) pyrazole complexes to investigate the coordination mode (ME-1237HP)

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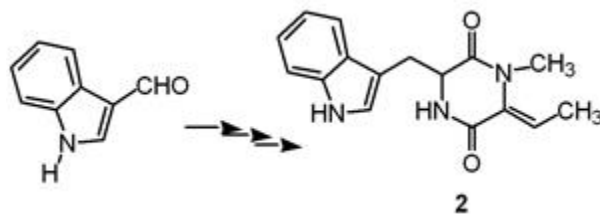
received Oct 4 2004; accepted Jan 7 2005; published Jan 12 2005;

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

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

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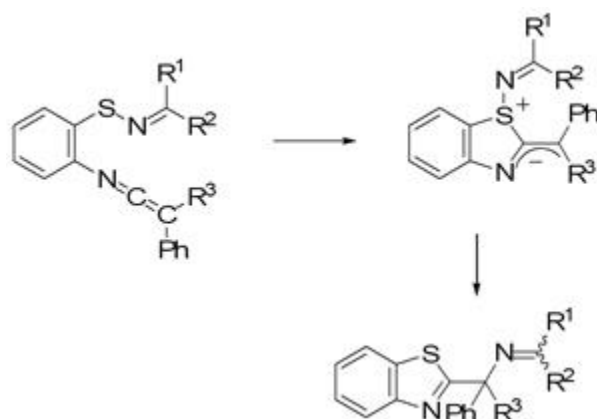
6. A novel benzothiazole synthesis by cyclization of ketenimines bearing sulfenylimine fragments.

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

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

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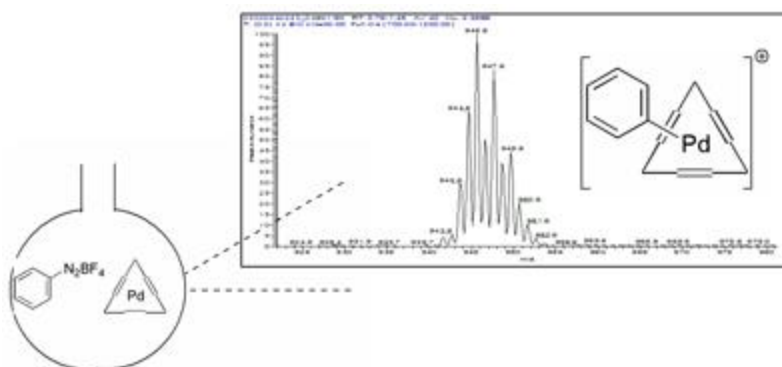
received Nov 26 2004; accepted Jan 13 2005; published Jan 25 2005;

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

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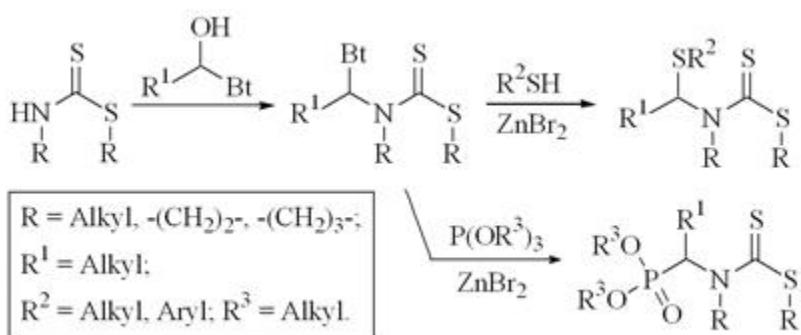
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8. Synthesis of functionalised dithiocarbamates via *N*-(1-benzotriazolylalkyl)dithiocarbamates (ME-1268HP)

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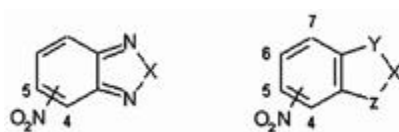
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9. Quantum-chemical studies of benzazoles nitration (ME-1296HP)

Martin Breza, Viktor Milata

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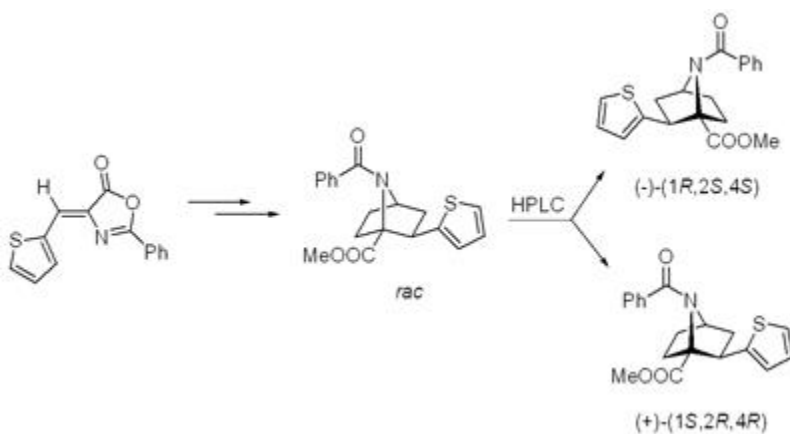
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10. Application of a new methodology for the synthesis and resolution of a α -(thien-2-yl) proline with the 7-azanorbornane skeleton (ME-1319HP)

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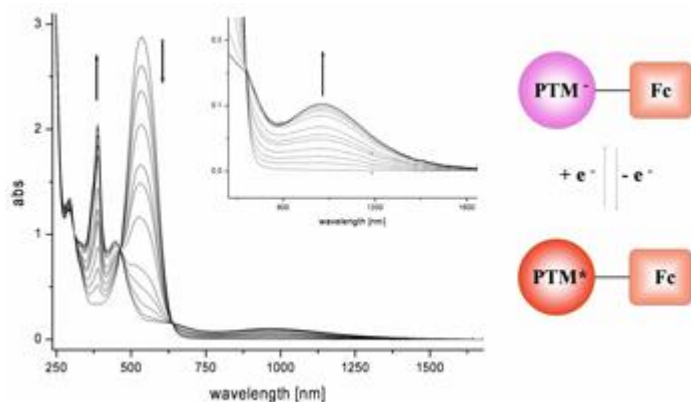
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11. Ferrocene triphenylmethyl radical donor-acceptor compounds. Towards development of multifunctional molecular switches (ME-1305HP)

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

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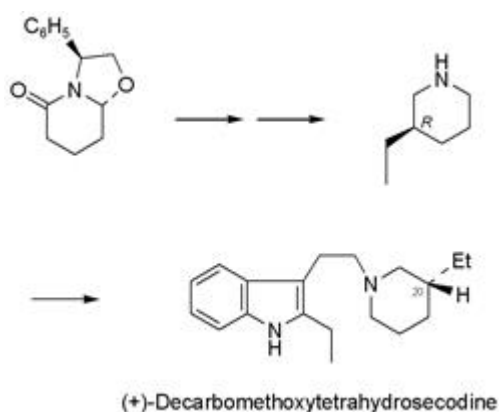
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12. Alkylation of phenylglycinol-derived bicyclic lactams. Enantioselective synthesis of 3-alkylpiperidines (ME-1272HP)

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

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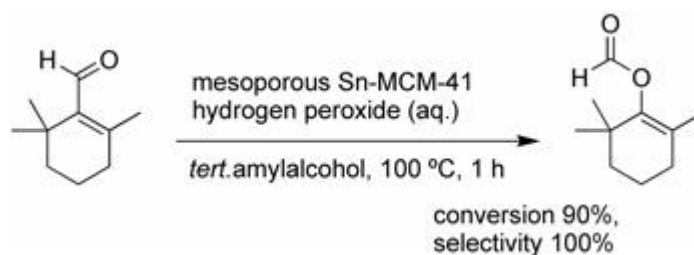
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13. Mesoporous molecular sieve Sn-MCM-41 as Baeyer-Villiger oxidation catalyst for sterically demanding aromatic and α,β -unsaturated aldehydes (ME-1342HP)

Avelino Corma, Sara Iborra, Mar a Mifsud and Michael Renz

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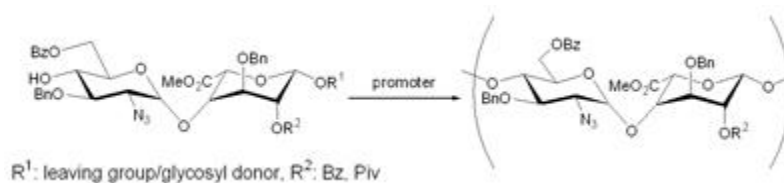
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14. An exploratory study on the synthesis of heparin-like oligosaccharides by polycondensation (ME-1315HP)

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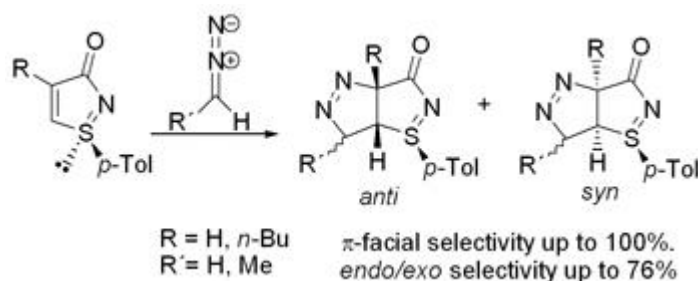
received Dec 22 2004; accepted Feb 17 2005; published Mar 11 2005;

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

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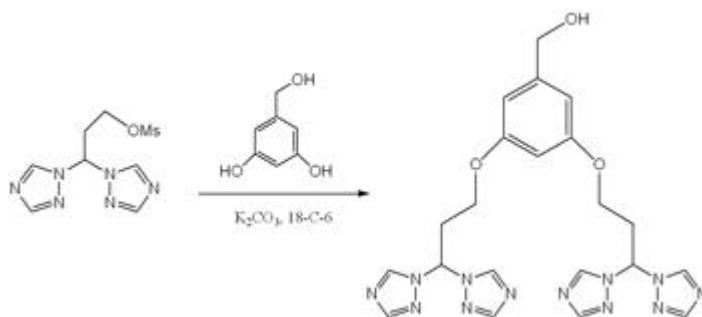
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16. Synthesis of 1,1'-methylenebis(1,2,4-triazole) functionalized in the methylene bridge. A new approach to dendrons bearing heterocyclic rings on the periphery (ME-1320HP)

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

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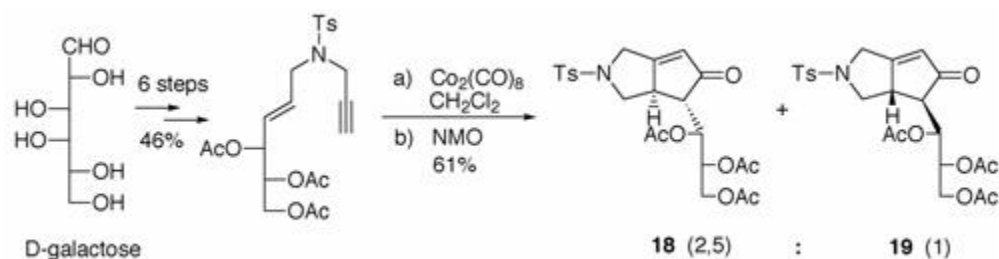
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17. From D-galactose to enantiopure 3-azabicyclo[3.3.0]octen-7-one derivatives via Pauson-Khand reaction (ME-1293HP)

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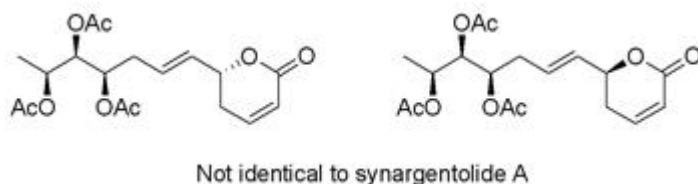
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18. Stereoselective synthesis of the published structure of synargentolide A and of one stereoisomer thereof (ME-1311HP)

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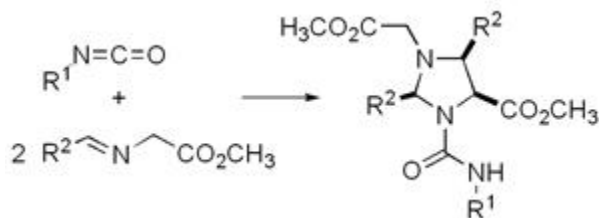
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19. Stereocontrolled formation of substituted imidazolidines in the reaction between N-metalated azomethine ylides and isocyanates (ME-1306HP)

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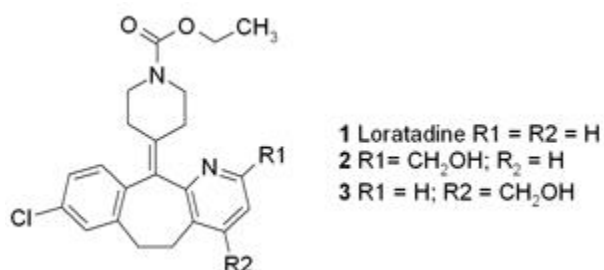
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20. Synthesis of 2- and 4-hydroxymethyl Loratadine, usual impurities in Loratadine syrup formulations
(ME-1329HP)

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

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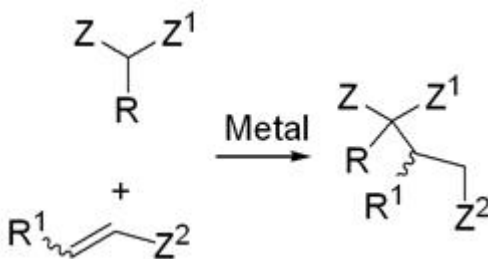
21. Michael additions catalyzed by transition metals and lanthanides species. A review. Part 1.

Transition metals (ME-1302HR)

Josep Comelles, Marcial Moreno-MaÃas and Adelina Vallribera

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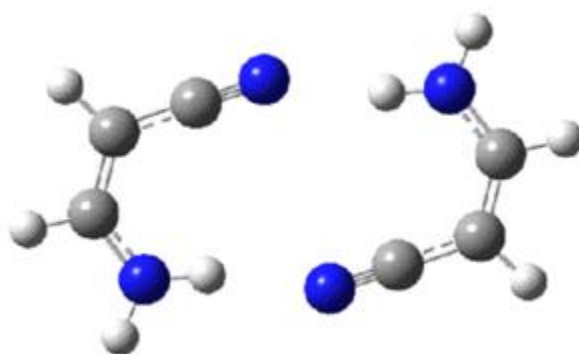
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22. A theoretical study on the dimers of aminoacrylonitrile (3-amino-2-propenenitrile), a compound of astrochemical interest (ME-1337HP)

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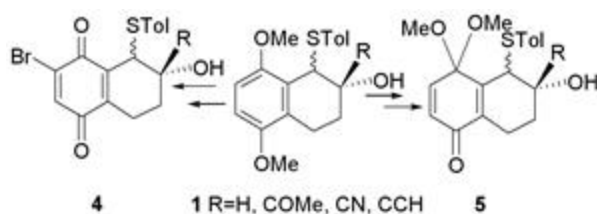
received Dec 22 2004; accepted Apr 1 2005; published Apr 7 2005;

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

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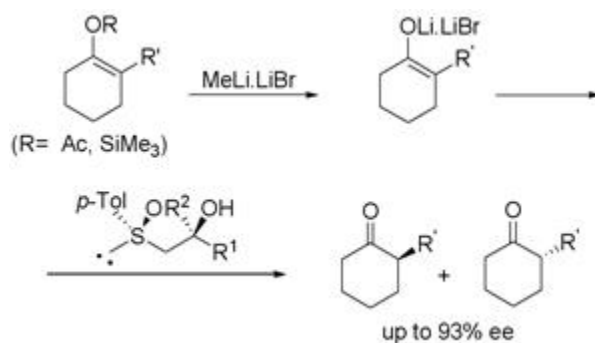
received Jan 11 2005; accepted Apr 1 2005; published Apr 8 2005;

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

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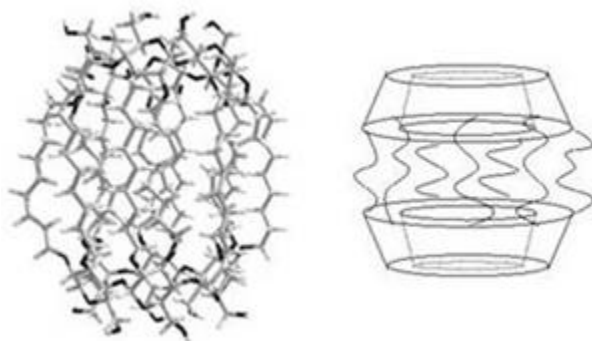
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25. Cyclodextrinic carcerands. I. Would they form inclusion complexes? Computational study on structure and energetics (ME-1318HP)

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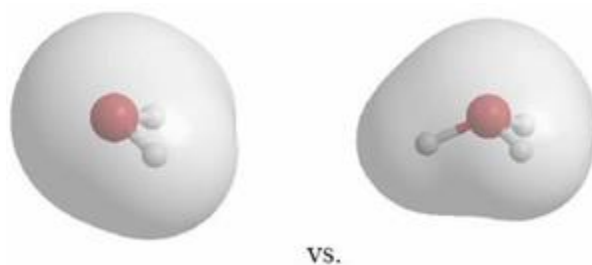
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26. Influence of protonation on the electron density derived properties (ME-1347HP)

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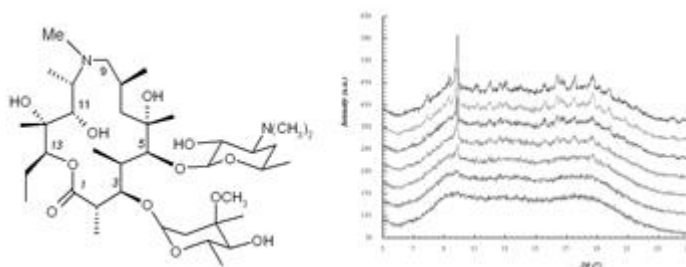
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27. An easy and general method to quantify Azithromycin dihydrate in a matrix of amorphous Azithromycin (ME-1323HP)

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

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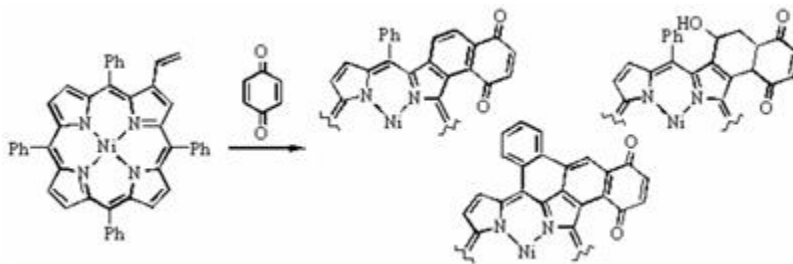
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28. Diels-Alder reactions of beta-vinyl-*meso*-tetraphenylporphyrin with quinones (ME-1324HP)

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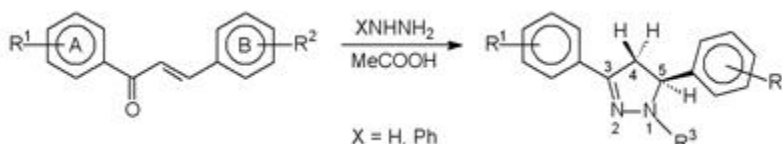
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29. Synthesis of chlorinated 3,5-diaryl-2-pyrazolines by the reaction of chlorochalcones with hydrazines (ME-1365HP)

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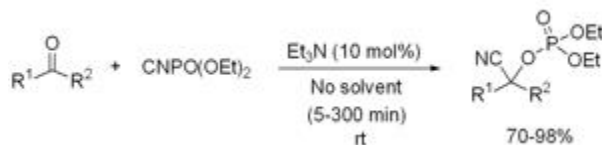
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30. Solvent-free synthesis of racemic cyanohydrin O-phosphates (ME-1397HP)

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

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

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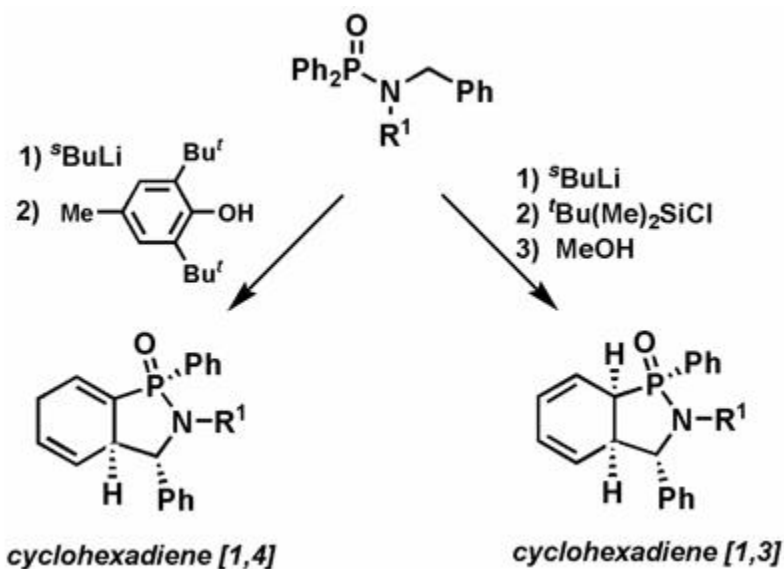
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32. Tuning the anionic cyclization-protonation of *N*-benzyl(diphenyl)phosphinamides. Highly efficient synthesis of tetrahydrobenzo-1-aza-2λ⁵-phospholes containing a 1,3-cyclohexadiene system (ME-1531HP)

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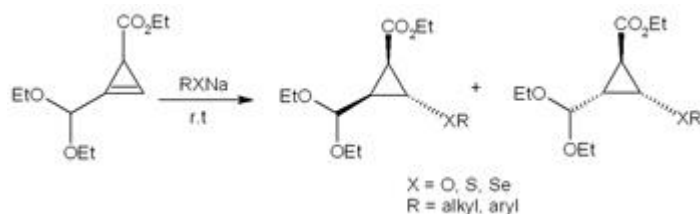
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33. Diastereoselective addition of heteroatom nucleophiles to ethyl 2-(diethoxymethyl)-cycloprop-2-ene-1-carboxylate (ME-1310HP)

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

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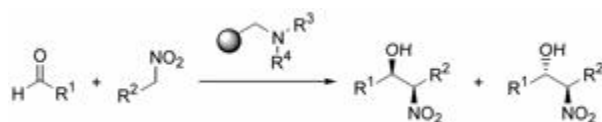
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34. Use of polymer-supported amines in catalytic nitroaldol reaction of nitroalkanes with aldehydes
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Francisco Palacios, Jesús M. de los Santos and Domitila Aparicio

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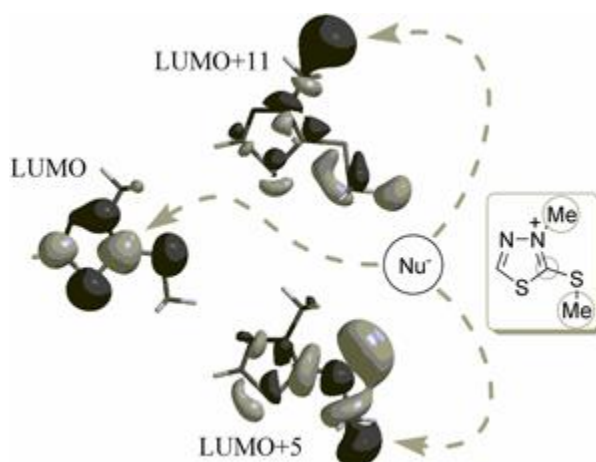
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35. Electrophilic behaviour of 3-methyl-2-methylthio-1,3,4-thiadiazolium salts: A multimodal theoretical approach (ME-1328HP)

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

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