

<b>Autor : David Saez Pérez</b>
<b>Título : “Síntesis y reactividad de complejos dinucleares del grupo 6 con ligandos fosforo y fosfinideno”</b>
<b>Fecha lectura: 04/02/05</b>

## Publicaciones

- 1.- “High yield synthesis and reactivity of a phosphinidene bridged dimolybdenum complex.” M. E. García, V. Riera, M. A. Ruiz, D. Sáez, J. Vaissermann y J. C. Jeffery. *J. Am. Chem. Soc.* **2002**, *124*, 14304.
- 2.- “Dimolybdenum and tungsten cyclopentadienyl carbonyls with electron-rich phosphido bridges. Synthesis of hydridophosphido  $[M_2Cp_2(\mu-H)(\mu-PRR')(CO)_4]$  and unsaturated bisphosphido complexes  $[M_2Cp_2(\mu-PR_2)(\mu-PR'R'')(CO)_x]$  ( $x=1, 2$ ; R, R', R'' = Et, Cy, <sup>t</sup>Bu).” M. E. García, V. Riera, M. A. Ruiz, M. T. Rueda y D. Sáez. *Organometallics* **2002**, *21*, 5515.
- 3.- “Ten-electron coordination and reactivity of an arylphosphinidene ligand”. M. E. García, V. Riera, M. A. Ruiz, D. Sáez, H. Hamidov, J. C. Jeffery y T. Riis-Johannesen. *J. Am. Chem. Soc.* **2003**, *125*, 13044.
- 4.- “Proton induced P-H and Mo-H bond activation at the phosphide bridged dimolybdenum complexes  $[Mo_2Cp_2(\mu-H)(\mu-PHR)(CO)_4]$ , (R = Cy, 2,4,6-C<sub>6</sub>H<sub>2</sub>R'<sub>3</sub>; R' = H, Me, <sup>t</sup>Bu)”. C. M. Alvarez, M. A. Alvarez, D. García-Vivó, M. E. García, M. A. Ruiz, D. Sáez, L. R. Falvello, T. Soler y P. Herson. *Dalton Trans.* **2004**, 4168.
- 5.- “Chemical and electrochemical oxidation of diphenylphosphide-bridged hydrides  $[M_2(\eta^5-C_5H_5)_2(\mu-H)(\mu-PPh_2)(CO)_4]$  and anions  $[M_2(\eta^5-C_5H_5)_2(\mu-PPh_2)(CO)_4]^+$ , (M = Mo, W)”. C. M. Alvarez, M. E. García, M. T. Rueda, M. A. Ruiz, D. Sáez y N. G. Connelly. *Organometallics* **2005**, *24*, 650.
- 6.- “M-P versus M=M bonds as protonation sites in the organophosphide-bridged complexes  $[M_2Cp_2(\mu-PR_2)(\mu-PR'_2)(CO)_2]$ , (M = Mo, W; R, R' = Ph, Et, Cy)”. M. A. Alvarez, M. E. García, M. E. Martínez, A. Ramos, M. A. Ruiz, D. Sáez y J. Vaissermann. *Inorg. Chem.* **2006**, *45*, 6965.
- 7.- “Formation and cleavage of P-C, Mo-C, and C-H bonds involving arylphosphinidene and cyclopentadienyl ligands at dimolybdenum centers”. I. Amor, M. E. García, M. A. Ruiz, D. Sáez, H. Hamidov y J. C. Jeffery. *Organometallics* **2006**, *25*, 4857.
- 8.- “Formation of P-H, P-C, and C-H Bonds by Hydride Attack on a Electrophilic Phosphide-Bridged Dimolybdenum Complex. Trapping the Phosphinidene Ligand with Borane”. I. Amor, D. García-Vivó, M. E. García, M. A. Ruiz, D. Sáez, H. Hamidov, J. C. Jeffery. *Organometallics* **2007**, *26*, 466.

<b>Autor: Henar Vázquez Villa</b>
<b>Título: Nuevas reacciones de formación de enlaces carbono-carbono y carbono heteroátomo promovidas por iones yodonio. Síntesis regioselectiva de olefinas tetrasustituidas, nafatalenos y benzoheterociclos.</b>
<b>Fecha lectura: 25/02/2005</b>

## Publicaciones

1.- Copper(II) Tetrafluoroborate Catalyzed Ring-Opening Reaction of Epoxides with Alcohols at Room Temperature.

AUTORES: Barluenga, J.; Vázquez-Villa, H.; Ballesteros, A.; González, J. M.

REVISTA/AÑO/VOL/PAGINA INICIAL: *Org. Lett.* **2002**, 4, 2817.

2.- Cyclization of Carbonyl Groups onto Alkynes upon Reaction with  $\text{IPy}_2\text{BF}_4$  and Their Trapping with Nucleophiles: A Versatile Trigger for Assembling Oxygen Heterocycles.

AUTORES: Barluenga, J.; Vázquez-Villa, H.; Ballesteros, A.; González, J. M.

REVISTA/AÑO/VOL/PAGINA INICIAL: *J. Am. Chem. Soc.* **2003**, 125, 9028.

3.- AUTORES: Barluenga, J.; Vázquez-Villa, H.; Ballesteros, A.; González, J. M.

Regioselective Synthesis of Substituted Naphthalenes: A Novel de Novo Approach Based on a Metal-Free Protocol for the Stepwise Cycloaddition of o-Alkynylbenzaldehyde Derivatives Groups with either Alkynes or Alkenes.

REVISTA/AÑO/VOL/PAGINA INICIAL: *Org. Lett.* **2003**, 5, 4121.

4.- TSynthesis of Indoles upon Sequential Reaction of 3-Alkynyl-Pyrrole-2-Carboxaldehydes with Iodonium Ions and Alkenes. Preparation of Related Benzofuran and Benzothiophene Derivatives.

AUTORES: Barluenga, J.; Vázquez-Villa, H.; Ballesteros, A.; González, J. M.

REVISTA/AÑO/VOL/PAGINA INICIAL: *Adv. Synth. Catal.* **2005**, 347 (4), 526.

5.- The Reaction of o-Alkynylarene and Heteroarene Carboxaldehyde Derivatives with Iodonium Ions and Nucleophiles: A Versatile and Regioselective Synthesis of 1H-Isochromen, Naphthalene, Indole, Benzofuran and Benzothiophene Compounds.

AUTORES: Barluenga, J.; Vázquez-Villa, H.; Merino, I.; Ballesteros, A.; González, J. M.

REVISTA/AÑO/VOL/PAGINA INICIAL: *Chem. Eur. J.* **2006**, 12 (22), 5790.

<b>Autor: Mónica Alvarez Pérez</b>
<b>Título: Reacciones de yodofuncionalización, fragmentación y reagrupamiento basadas en reactivos bis (piridina)yodonio(I). Modificación diastereoselectiva de terpenos.</b>
<b>Fecha lectura: 04/03/2005</b>

### Publicaciones

- 1.- IPy<sub>2</sub>BF<sub>4</sub>-mediated rearrangements of 1,2-difunctionalized compounds and olefins. Francisco J. Fañanás, Mónica Álvarez-Pérez; Félix Rodríguez *Chem. Eur. J.* **2005**, *11*, 5938-5944.
- 2.- Acid-Catalyzed Grob Fragmentation Reactions of Acetonides Derived from Terpenes. José Barluenga, Monica Álvarez-Pérez, Kirsten Wuerth; Félix Rodríguez, Francisco J. Fañanás *Org. Lett.* **2003**, *5*, 905-908.
- 3.- Total Diastereofacial Selective Iodofunctionalization of Terpene Derivatives based on IPy<sub>2</sub>BF<sub>4</sub>. José Barluenga, Monica Álvarez-Pérez, Félix Rodríguez, Francisco J. Fañanás, José A. Cuesta, Santiago García-Granda *J. Org. Chem.* **2003**, *68*, 6583-6586.
- 4.- A smooth and practicable azidoiodination reaction of alkenes based on IPy<sub>2</sub>BF<sub>4</sub> and Me<sub>3</sub>SiN<sub>3</sub>. José Barluenga, Monica Álvarez-Pérez, Francisco J. Fañanás José M. Gonzalez *Adv. Synth. Catal.* **2001**, *343*, 335-337.

<b>Autor: Alberto Macias Rabanal</b>
<b>Título: Preparación y aplicaciones sintéticas de nuevos derivados de <math>\beta</math>-lactámicos</b>
<b>Fecha lectura: 10/03/2005</b>

## Publicaciones

1.- Autores (p.o. de firma): E. Alonso, F. López-Ortiz, C. del Pozo, E. Peralta, A. Macías, J. González

Título: Spiro  $\beta$ -Lactams as  $\beta$ -Turn Mimetics. Design, Synthesis, and NMR Conformational Analysis. Ref. X revista: *J. Org. Chem.*

Clave: A Volumen: 66 Páginas, inicial: 6333 final: 6338 Fecha: **2001**

2.- Autores (p.o. de firma): Carlos del Pozo, Alberto Macías, Fernando López-Ortiz, Miguel Ángel Maestro, Eduardo Alonso, Javier González

Título: Diastereo- and Enantioselective Synthesis of Novel  $\beta$ -Lactam-Containing 1,4-Benzodiazepines through a Ketene-Imine Cycloaddition Reaction.

Ref. X revista: *Eur. J. Org. Chem.* Clave: A Volumen: 3 Páginas, inicial: 535 final: 545 Fecha: **2004**

3.- Autores (p.o. de firma): Alberto Macías, Eduardo Alonso, Carlos del Pozo, Javier González

Título: Unusual rearrangement of spiro  $\beta$ -lactams to 1,4-diazabicyclo[4.4.0] and 1,4-diazabicyclo[4.3.0]nonanes. Synthesis of conformationally restricted receptor ligands.

Ref. X revista: *Tetrahedron Letters*

Clave: A Volumen: 45 Páginas, inicial: 4657 final: 4660 Fecha: **2004**

4.- Autores (p.o. de firma): Alberto Macías, Eduardo Alonso, Carlos del Pozo, Alessandro Venturini, Javier González

Título: Diastereoselective [2+2]-cycloaddition reactions of unsymmetrical cyclic ketenes with imines: synthesis of modified prolines and theoretical study of the reaction mechanism.

Ref. X revista: *Journal of Organic Chemistry* Clave: A Volumen: 69 Páginas, inicial: 7004 final: 7012 Fecha: **2004**

5.- Autores (p.o. de firma): Carlos del Pozo, Alberto Macías, Eduardo Alonso, Javier González

Título: Reactions of 1,4-benzodiazepinic N-nitrosoamidines with tosylmethyl Isocyanide: a novel síntesis of Midazolam.

Ref. X revista: *Synthesis* Clave: A Volumen: Páginas, inicial: 2697 final: 2703 Fecha: **2004**

6.- Autores (p.o. de firma): Alberto Macías, Antonio Morán Ramallal, Eduardo Alonso, Carlos del Pozo, Javier González

Título: Synthesis of Enantiopure Pyrrolidine-Derived Peptidomimetics and Oligo- $\beta$ -peptides via Nucleophilic Ring-opening of  $\beta$ -lactams.

Ref. X revista: *Journal of Organic Chemistry* Clave: A Volumen: 71 Páginas, inicial: 7721 final: 7730 Fecha: **2006**

<b>Autor: Mónica López García</b>
<b>Título: Resolución y desimetrización enzimática de compuestos polifuncionales. Preparación de productos de interés biológico.</b>
<b>Fecha lectura: 11/03/2005</b>

### Publicaciones

- 1.- López García , M.; Alfonso, I.; Gotor, V. *J.Org. Chem*, **2003**, 68, 648-651  
“Synthesis of (*R*)-3,4-diaminobutanoic acid by desymmetrization of dimethyl-3-(benzylamino)glutarate through enzymatic ammonolysis”
- 2.- López García, M.; Alfonso I.; Gotor. V. *Tetrahedron:Asymmetry* **2003**, 14, 603-609.  
“Desymmetrization of dimethyl 3-substituted glutarates through enzymatic ammonolysis and aminolysis reactions”
- 3.- López-García, M.; Alfonso, I.; Gotor. V. *Chem. Eur. J.*, **2004**, 10, 3006-3014.  
“Higly efficient biocatalytic resolution of *cis* and *trans*-3-aminoindan-1-ol. Syntheses of enantiopure orthogonal protected *cis* and *trans*-indane-1,3-diamine”
- 4.- López-García, M.; Alfonso, I.; Gotor. V. *Lett. Org. Chem.* **2004**, 1, 254-256.  
“Chemoenzymatic approach to a (*R*)-3,4-diaminobutanoic acid derivative with suitable orthogonal protection for solid phase peptide synthesis” their anti-HIV activity”

**Autor: Sergio Emilio García Garrido**

**Título: Complejos de  $\eta^3$ -alilo de rutenio(II) y rutenio(IV): Actividad catalítica en procesos de transferencia de hidrógeno, sustitución propargílica e isomerización de alcoholes alílicos y propargílicos**

**Fecha lectura: 01/04/2005**

## Publicaciones

1.- "Reactivity of the dimer  $[\{\text{Ru}(\eta^3\text{-C}_{10}\text{H}_{16})(\mu\text{-Cl})\text{Cl}\}_2]$  towards diphosphines and diphosphine-monoxides: Synthesis and characterization of novel (2,7-dimethylocta-2,6-diene-1,8-diyl)-ruthenium(IV) complexes". V. Cadierno, S.E. García-Garrido, J. Gimeno. *Inorg. Chim. Acta*, **2003**, 347, 41.

2.- "An easy entry to dimers  $[\{\text{RuX}(\mu\text{-X})(\text{CO})(\text{P}^{\wedge}\text{P})\}_2]$  (X = Cl, Br;  $\text{P}^{\wedge}\text{P}$  = 1,1'-bis(diphenylphosphino)ferrocene, 1,1'-bis(diisopropylphosphino)ferrocene) from  $\eta^3$ -allylruthenium(II) derivatives  $[\text{RuX}(\eta^3\text{-2-C}_3\text{H}_4\text{R})(\text{CO})(\text{P}^{\wedge}\text{P})]$  (R = H, Me): Efficient catalyst precursors in transfer hydrogenation of ketones". V. Cadierno, P. Crochet, J. Díez, S.E. García-Garrido, J. Gimeno, S. García-Granda. *Organometallics*, **2003**, 22, 5226.

3.- "Dichloro(dodeca-2,6,10-triene-1,12-diyl)ruthenium(IV): A highly efficient catalyst for the isomerization of allylic alcohols into carbonyl compounds in organic and aqueous media". V. Cadierno, S.E. García-Garrido, J. Gimeno. *Chem. Commun.*, **2004**, 232.

4.- "Efficient transfer hydrogenation of ketones catalyzed by the bis(isocyanide)-ruthenium(II) complexes *trans,cis,cis*- $[\text{RuX}_2(\text{CNR})_2(\text{dppf})]$  (X = Cl, Br;  $\text{dppf}$  = 1,1'-bis(diphenylphosphino)ferrocene): Isolation of active mono- and dihydride intermediates". V. Cadierno, P. Crochet, J. Díez, S.E. García-Garrido, J. Gimeno. *Organometallics*, **2004**, 23, 4836.

5.- " $[\text{Ru}(\eta^3\text{-2-C}_3\text{H}_4\text{Me})(\text{CO})(\text{dppf})][\text{SbF}_6]$ : A mononuclear  $16e^-$  ruthenium(II) catalyst for propargylic substitution and isomerization of  $\text{HC}\equiv\text{CCPh}_2(\text{OH})$ ". V. Cadierno, J. Díez, S.E. García-Garrido, J. Gimeno. *Chem. Commun.*, **2004**, 2716.

6.- "Efficient one-pot synthesis of  $\alpha,\beta$ -unsaturated carbyne complexes *fac*- $[\text{RuX}_3\{\equiv\text{CC}(\text{H})=\text{CR}_2\}(\text{dppf})]$  (X = Cl, Br; R = aryl, alkyl;  $\text{dppf}$  = 1,1'-bis(diphenylphosphino)ferrocene)". V. Cadierno, J. Díez, S.E. García-Garrido, J. Gimeno. *Organometallics*, **2005**, 24, 3111.

7.- "Bis(allyl)-ruthenium(IV) complexes as highly efficient catalysts for the redox isomerization of allylic alcohols into carbonyl compounds in organic and aqueous media: Scope, limitations and theoretical analysis of the mechanism". V. Cadierno, S.E. García-Garrido, J. Gimeno, A. Varela-Álvarez, J.A. Sordo. *J. Am. Chem. Soc.*, **2006**, 128, 1360.

8.- "Isomerization of propargylic alcohols into  $\alpha,\beta$ -unsaturated carbonyl compounds catalyzed by the sixteen-electron allyl-ruthenium(II) complex  $[\text{Ru}(\eta^3\text{-2-C}_3\text{H}_4\text{Me})(\text{CO})(\text{dppf})][\text{SbF}_6]$ ". V. Cadierno, S.E. García-Garrido, J. Gimeno. *Adv. Synth. Catal.*, **2006**, 348, 101.

9.- "Bis(allyl)-ruthenium(IV) complexes: Promising precursors for catalytic organic synthesis". V. Cadierno, P. Crochet, S.E. García-Garrido, J. Gimeno. *Curr. Org. Chem.*, **2006**, *10*, 165.

10.- "Octahedral ruthenium(II) complexes *cis,cis*-[RuX<sub>2</sub>(CNR)(CO)(P<sup>^</sup>P)] and *cis,cis,cis*-[RuX<sub>2</sub>(CO)<sub>2</sub>(P<sup>^</sup>P)] (X = Cl, Br; P<sup>^</sup>P = 1,1'-bis(diphenylphosphino)ferrocene, 1,1'-bis(diisopropylphosphino)ferrocene): Synthesis and catalytic applications in transfer hydrogenation of acetophenone and cycloisomerization of (*Z*)-3-methylpent-2-en-4-yn-1-ol". J. Albers, V. Cadierno, P. Crochet, S.E. García-Garrido, J. Gimeno. *J. Organomet. Chem.*, **2007**, *692*, 5234.

<b>Autor: Joaquin García Alvarez</b>
<b>Título: Síntesis y reactividad de complejos de rutenio (II) conteniendo ligandos de tipo iminofosforano-fosfina y bis(iminofosfarando).</b>
<b>Fecha lectura: 25/04/2005</b>

### Publicaciones

1.- "Ruthenium(II) and ruthenium(IV) complexes containing  $\kappa^1$ -P-,  $\kappa^2$ -P,O- and  $\kappa^3$ -P,N,O-iminophosphorane-phosphine ligands  $\text{Ph}_2\text{PCH}_2\text{P}\{\text{=NP(=O)(OR)}_2\}\text{Ph}_2$  (R = Et, Ph): Synthesis, reactivity, theoretical studies, and catalytic activity in transfer hydrogenation of cyclohexanone". V. Cadierno, P. Crochet, J. Díez, J. García-Álvarez, S.E. García-Garrido, J. Gimeno, S. García-Granda, M.A. Rodríguez. *Inorg. Chem.*, **2003**, 42, 3293.

2.- "Synthesis, reactivity and catalytic activity in transfer hydrogenation of ketones of ruthenium(II) and ruthenium(IV) complexes containing the novel N-thiophosphorylated iminophosphorane-phosphine ligands  $\text{Ph}_2\text{PCH}_2\text{P}\{\text{=NP(=S)(OR)}_2\}\text{Ph}_2$  (R = Et, Ph)". V. Cadierno, P. Crochet, J. Díez, J. García-Álvarez, S.E. García-Garrido, S. García-Granda, J. Gimeno, M.A. Rodríguez. *Dalton Trans.*, **2003**, 3240.

3.- "Bis(iminophosphorano)methane derivatives as precursors of unusual ruthenium carbene complexes: A synthetic and DFT study". V. Cadierno, J. Díez, J. García-Álvarez, J. Gimeno, M.J. Calhorda, L.F. Veiros. *Organometallics*, **2004**, 23, 2421.

4.- "Base-assisted cyclometalation and phosphorus-carbon bond cleavage in (arene)ruthenium(II) complexes containing functionalized iminophosphorane-phosphine ligands  $\text{Ph}_2\text{PCH}_2\text{P}\{\text{=NP(=X)(OR)}_2\}\text{Ph}_2$  (X = O, S; R = Et, Ph)". V. Cadierno, J. Díez, J. García-Álvarez, J. Gimeno. *Organometallics*, **2004**, 23, 3425.

5.- "Novel( $\eta^6$ -arene)-ruthenium(II) complexes containing bis(iminophosphorano)methanide and methandiide ligands". V. Cadierno, J. Díez, J. García-Álvarez, J. Gimeno. *J. Organomet. Chem.*, **2005**, 690, 2087.

6.- "Iminophosphorane-based nucleophilic ruthenium(II) carbene complexes: Unusual C-C coupling and C-H activation promoted by the addition of alkynes to the Ru=C bond". V. Cadierno, J. Díez, J. García-Álvarez, J. Gimeno. *Organometallics*, **2005**, 24, 2801.

7.- "Reaction of isocyanides with iminophosphorane-based carbene ligands: Synthesis of unprecedented ketenimine-ruthenium complexes". V. Cadierno, J. García-Álvarez, J. Gimeno, J. Rubio-García. *J. Organomet. Chem.*, **2005**, 690, 5856.



<b>Autor: Lorena Martínez Méndez</b>
<b>Título: Reactividad de Clusters trinucleares de rutenio derivados de hidrazinas.</b>
<b>Fecha lectura: 29/04/2005</b>

## Publicaciones

- 1.- Carbonyl substitution chemistry of neutral and cationic triruthenium cluster complexes derived from 1,1-dimethylhydrazine. Incorporation of two and three phosphane ligands. J.A. Cabeza, I. del Río, S. García-Granda, L. Martínez-Méndez and V. Riera, *J. Organomet. Chem.*, **2002**, 663, 227-234.
- 2.-Influence of the bridging ligand on the substitution chemistry of neutral and cationic triruthenium carbonyl cluster complexes derived from 1,1-dimethylhydrazine. J.A. Cabeza, I. del Río, S. García-Granda, L. Martínez-Méndez and V. Riera, *Inorg. Chim. Acta*, **2003**, 350, 93-100.
- 3.-Activation of all bonds of a methyl group attached to an organic fragment. J.A. Cabeza, I. da Silva, I. del Río, L. Martínez-Méndez, D. Miguel and V. Riera, *Angew. Chem. Int. Ed.* **2004**, 43, 3464-3467
- 4.- Edge-bridging and face-capping coordination of alkenyl ligands in triruthenium carbonyl cluster complexes derived from hydrazines: synthetic, structural, theoretical and kinetic studies. J.A. Cabeza, I. del Río, J.M. Fernández-Colinas, S. García-Granda, L. Martínez-Méndez and E. Pérez-Carreño, *Chem. Eur. J.*, **2004**, 10, 6265-6278.
- 5.- $\eta^2$ -Edge-bridging and  $\eta^3$ -face-capping coordination of conjugated ynenyl ligands in triruthenium carbonyl cluster complexes derived from 1,1-dimethylhydrazine. J.A. Cabeza, I. del Río, S. García-Granda, L. Martínez-Méndez and E. Pérez-Carreño, *Organometallics*, **2005**, 24, 831-835.
- 6.-Reactivity of alkynes containing  $\alpha$ -hydrogen atoms with a triruthenium hydrido carbonyl cluster: Alkenyl versus allyl cluster derivatives. J.A. Cabeza, I. del Río, S. García-Granda, L. Martínez-Méndez and E. Pérez-Carreño, *Chem. Eur. J.*, **2005**, 11, 6040-6052.
- 7.-Ruthenium cluster-mediated activation of all bonds of methyl groups of 6,6'-dimethyl-2,2'-bipyridine and 2,9-dimethyl-1,10-phenanthroline. Transformation of the latter into a 2-alkenyl-9-methyl-1,10-phenanthroline ligand. J.A. Cabeza, I. del Río, L. Martínez-Méndez and D. Miguel, *Chem. Eur. J.*, **2006**, 12,1529-1538.
- 8.-Reactions of  $\mu_3$ -alkenyl triruthenium carbonyl clusters with alkynes: Synthesis of trinuclear  $\mu$ -alkyne,  $\mu$ -vinylidene, and  $\mu$ -dienoyl derivatives. J.A. Cabeza, I. del Río, L. Martínez-Méndez and E. Pérez-Carreño, *Chem. Eur. J.*, **2006**, 12, 7694-705
- 9.-Reactivity of a triruthenium alkenyl cluster complex with conjugated diynes. Coupling of two diyne molecules via a face-capping diyne intermediate. J.A. Cabeza, I. del Río, L. Martínez-Méndez and E. Pérez-Carreño, *J. Organomet. Chem.*, **2008**, 693, 97-102.



<b>Autor: Monica Trincado Rodríguez</b>
<b>Título: Reacciones de formación de enlaces carbono-carbono-heteroátomo y activación C-H promovidas por iones yodonio: Síntesis de carbo-y heterociclos.</b>
<b>Fecha lectura: 10/06/2005</b>

## Publicaciones

1.- IPy<sub>2</sub>BF<sub>4</sub>-Promoted Intramolecular Addition of Masked and Unmasked Anilines to Alkynes: Direct Assembly of 3-Iodoindole Cores.

AUTORES: Barluenga, J.; Trincado, M.; Rubio, E.; González, J. M.

REVISTA/AÑO/VOL/PAGINA INICIAL: *Angew. Chem. Int. Ed.* **2003**, 42, 2406.

2.-: Intramolecular Arylation Reactions of Alkenes: A Flexible Approach to Chromans and Tetrahydroquinoline Derivatives.

AUTORES: Barluenga, J.; Trincado, M.; Rubio, E.; González, J. M.

REVISTA/AÑO/VOL/PAGINA INICIAL: *J. Am. Chem. Soc.*, **2004**, 126, 3416.

3.-: Intramolecular Iodoarylation Reactions of Alkynes: Easy Access to derivatives of Benzofused Heterocycles. AUTORES: Barluenga, J.; Trincado, M.; Marco-Arias, M.; Rubio, E.; Ballesteros, A.; González, J. M. REVISTA/AÑO/VOL/PAGINA INICIAL: *Chem. Commun.*, **2005** (15), 2008.

4.-: Direct Intramolecular Arylation of Aldehydes Promoted by Reaction with IPy<sub>2</sub>BF<sub>4</sub>/HBF<sub>4</sub>: Synthesis of Benzocyclic Ketones.

AUTORES: Barluenga, J.; Trincado, M.; Rubio, E.; González, J. M.

REVISTA/AÑO/VOL/PAGINA INICIAL: *Angew. Chem. Int. Ed.* **2006**, 45 (19), 3140.

<b>Autor: José Ramón Suárez Álvarez</b>
<b>Título: Preparación de compuestos enantiopuros a partir de aminoazidrinas y aminoepóxidos derivados de <math>\alpha</math>-Aminoácidos naturales.</b>
<b>Fecha lectura: 30/06/2005</b>

## Publicaciones

- 1.- "Regio- and Stereoselective C-2 and C-3 Cleavage of 2-(1-Aminoalkyl)aziridines with Alcohols, Carboxylic Acids and Sodium Iodide", J. M. Concellón, E. Riego, J. R. Álvarez, *J. Org. Chem.*, **2003**, 68, 9242-9246.
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