

Ficha de grupo de investigación

QUÍMICA BIOLÓGICA APLICADA: NUEVOS FÁRMACOS Y BIORREMEDIACIÓN

Código: BIO250

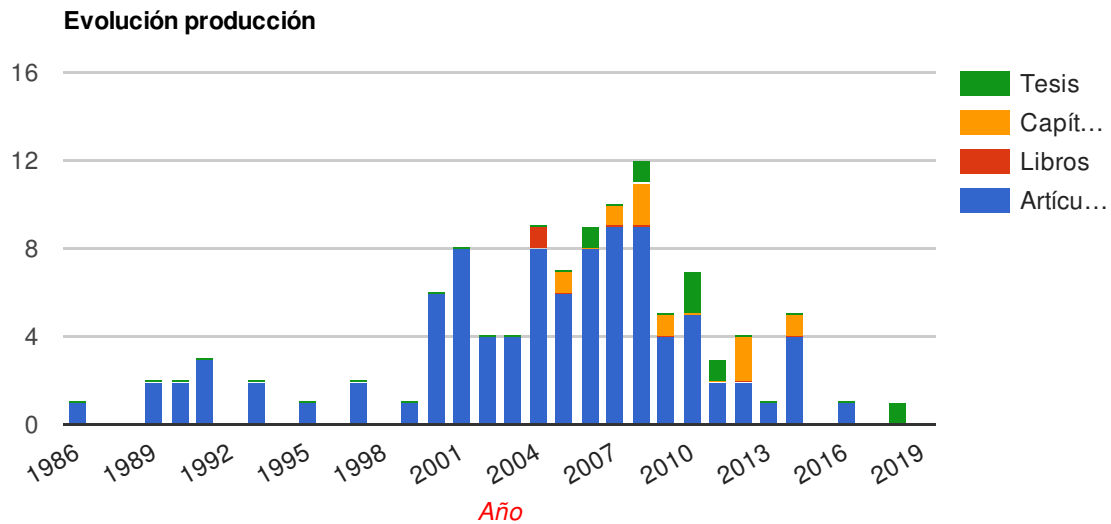
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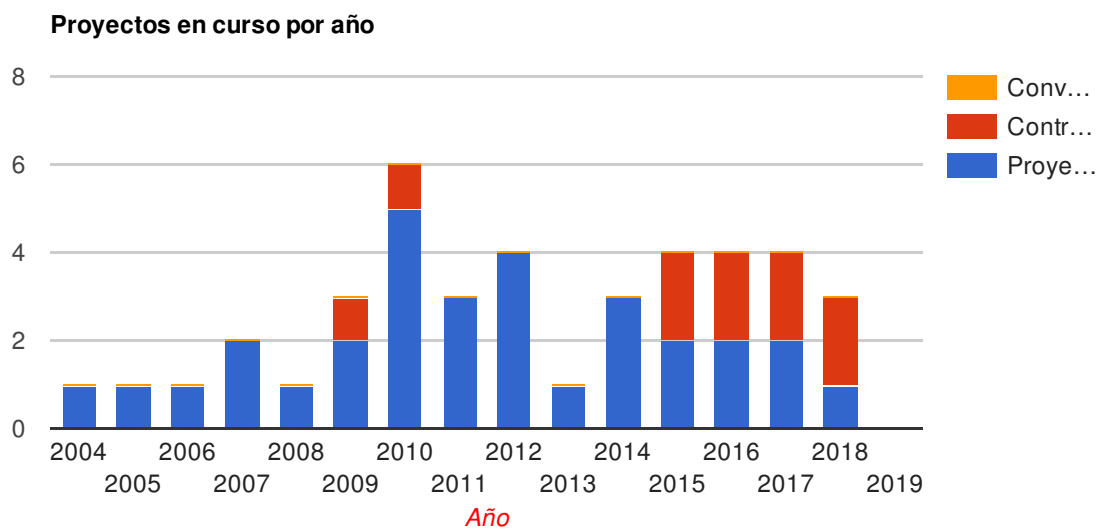
Producción 134

- Artículos (113)
- Libros (1)
- Capítulos de Libros (10)
- Tesis dirigidas (10)



Proyectos dirigidos 14

- Proyectos (11)
- Contratos (3)
- Convenios (0)



Actividades 1

Titulo publicación	Fuente	Tipo	Fecha
Síntesis de nuevos compuestos inhibidores de glicolato oxidasa. aplicación en hiperoxaluria primaria y evaluación biológica		Tesis doctoral	2018
Searching the conformational complexity and binding properties of hdac6 through docking and molecular dynamic simulations	Journal of biomolecular structure and dynamics	Articulo	2016
Enhancing effect of glucose microspheres in the viability of human mesenchymal stem cell suspensions for clinical administration	Pharmaceutical research	Articulo	2014
Production of the phanerochaete flavido-alba laccase in aspergillus niger for synthetic dyes decolorization and biotransformation	World journal of microbiology and biotechnology	Articulo	2014
Synthesis of l-octaarginine through microencapsulated palladium-catalyzed allyl ester deprotection	Synlett	Articulo	2014
Synthesis of l-octaarginine through microencapsulated palladium-catalyzed allyl ester deprotection	Synlett	Articulo	2014
Three years of innovation tutorial in the degrees of the faculty of pharmacy of the university of granada. tutorgrados	Edulearn 14 proceedings	Capítulo de libro	2014
Synthesis and glycosidase inhibition studies of novel 5-methyl-tetrahydroxy indolizidines and pyrrolizidines related to natural hyacinthacines b	European journal of organic chemistry	Articulo	2013
Diversity-oriented synthesis	Chemical genomics	Capítulo de libro	2012
Plan de información, apoyo y orientación de los grados de la facultad de farmacia: tutorgrados (pid 11-10)	Innovación docente y buenas prácticas en la universidad de granada	Capítulo de libro	2012
The selective cytotoxic activity in breast cancer cells by an anthranilic alcohol-derived acyclic 5-fluorouracil o,n-acetal is mediated by endoplasmic reticulum stress-induced apoptosis	European journal of medicinal chemistry	Articulo	2012
Two-directional synthesis as a tool for diversity oriented synthesis: synthesis of alkaloid scaffolds	Beilstein journal of organic chemistry	Articulo	2012
Anticancer activity and cDNA microarray studies of a (rs)-1,2,3,5-tetrahydro-4,1-benzoxazepine-3-yl]-6-chloro-9h-purine, and an acyclic (rs)-o,n-acetalic 6-chloro-7h-purine	European journal of medicinal chemistry	Articulo	2011
Synthesis of the proposed structure of pentahydroxylated pyrrolizidine hyacinthacine c5 and its c6,c7 epimer	European journal of organic chemistry	Articulo	2011
Síntesis de inhibidores de histonas desacetilasas con actividad antitumoral		Tesis doctoral	2011
A concise synthesis of 6-amino-6-deoxy-dnj and 6-amino-1,6-dideoxy-l-talonojirimycin	Synlett	Articulo	2010
Síntesis estereoselectiva de hiacintacinas naturales y análogas no naturales	Universidad de granada. química farmacéutica y orgánica	Tesis doctoral	2010
Structural characterization and stability of dimethylaminoethanol and dimethylaminoethanol bitartrate for possible use in cosmetic firming	Journal of the society of cosmetic chemists	Articulo	2010
Synthesis of unnatural pentahydroxylated pyrrolizidines: 5-epi- and 5,7a-di-epi-hyacinthacine c1	Tetrahedron	Articulo	2010
Synthesis and evaluation of new hdac inhibitors	Ars pharmaceutica	Articulo	2010
Síntesis y evaluación de inhibidores de las interacciones proteína-proteína mediadas por el dominio pdz de la nnos	Universidad de granada. química farmacéutica y orgánica	Tesis doctoral	2010
Total synthesis of natural (±)-hyacinthacine a6 and non-natural (±)-7a-epi-			

Total synthesis of natural (+)-hyacinthacine a6 and non-natural (+)-7-epi-hyacinthacine a1 and (+)-5,7a-diepi-hyacinthacine a6	Tetrahedron	Artículo	2010
An introduction to diversity-oriented synthesis	Linker strategies in solid-phase organic synthesis	Capítulo de libro	2009
Diversity-oriented synthesis of bicyclic and tricyclic alkaloids	Chemical communications	Artículo	2009
Oligonucleotide-polyamine conjugates: influence of length and position of 2'-attached polyamines on duplex stability and antisense effect	European journal of medicinal chemistry	Artículo	2009
Synthesis of pentahydroxylated pyrrolizidines and indolizidines	Journal of organic chemistry	Artículo	2009
Total synthesis of 3-o-benzyl-1,3,5-triepi-calystegine b2 from l-sorbose	European journal of organic chemistry	Artículo	2009
Anticancer activity of (1,2,3,5-tetrahydro-4,1-benzoxazepine-3-yl)-pyrimidines and -purines against the mcf-7 cell line: preliminary cDNA microarray studies	Bioorganic & medicinal chemistry letters	Artículo	2008
Design, synthesis and anticancer activity against the mcf-7 cell line of benzo-fused 1,4-dihetero seven and six-membered tethered pyrimidines and purines.	Current medicinal chemistry	Artículo	2008
First total synthesis and absolute configuration of naturally occurring (-)-hyacinthacine a7 and its (-)-1-epi-isomer	Tetrahedron	Artículo	2008
From 5-fluorouracil acyclonucleosides to benzo-fused six and seven-membered rings linked to pyrimidine and purine bases: the shift from differentiating anticancer agents to apoptotic inducers	Expert opinion on drug discovery	Artículo	2008
Lipase-mediated synthesis of enantiomeric 2,5,6-trideoxy-2,5-iminoheptitols	Tetrahedron	Artículo	2008
Polyhydroxylated pyrrolidines: synthesis of trideoxy-2,5-iminoheptitols	Synthesis	Artículo	2008
Synthesis and anticancer activity of (r,s)-9-(2,3-dihydro-1,4-benzoxathioin-3-ylmethyl)-9h-purines	Chemmedchem	Artículo	2008
Synthesis and anticancer activity of (rs)-9-(2,3-dihydro-1,4-benzoxathioin-3-ylmethyl)-9h-purines	Chemmedchem	Artículo	2008
Synthesis of (+)-1-epi-castanospermine from l-sorbose	Tetrahedron	Artículo	2008
Síntesis de alcaloides glicomiméticos, enantioméricamente puros, a partir de carbohidratos	Universidad de granada. química farmacéutica y orgánica	Tesis doctoral	2008
Síntesis de péptidos con actividad neuroprotectora	Medicamentos del siglo XXI: innovadores y genéricos	Capítulo de libro	2008
Síntesis y evaluación de nuevos inhibidores de la mTOR	Medicamentos del siglo XXI: innovadores y genéricos	Capítulo de libro	2008
(2,3-dihydro-1,4-benzodioxin-2-yl)methanol	Acta crystallographica. section e	Artículo	2007
5-fluorouracil derivatives induce differentiation mediated by tubulin and hla class I modulation	Medicinal chemistry	Artículo	2007
A new synthetic approach for (+)-hyacinthacine a1 and first total synthesis and absolute configuration assignment of naturally occurring (+)-hyacinthacine a6	European journal of organic chemistry	Artículo	2007
A synthetic uracil derivative with antitumor activity through decreasing cyclin D1 and CDK1, and increasing p21 and p27 in MCF-7 cells	Breast cancer research and treatment	Artículo	2007
Diastereoselective synthesis of quaternary alpha-amino acids from	Organic and		

Enantioselective synthesis of quaternary and amino acids from diketopiperazine templates	biomolecular chemistry	Artículo	2007
On the origins of diastereoselectivity in the alkylation of diketopiperazine enolates	New journal of chemistry	Artículo	2007
Synthesis and preliminary pharmacological evaluation of the four stereoisomers of (2s)-2-(2-phosphono-3-phenylcyclopropyl)glycine, the first class of 3-substituted trans-2-(2-phosphonocyclopropyl)glycines	Bioorganic & medicinal chemistry	Artículo	2007
Synthesis and reactivity of (rs)-6-chloro-7- or 9-(1,2,3,5-tetrahydro-4,1-benzoxazepin-3-yl)-7h- or 9h-purines bearing a nitrobenzenesulfonyl group on the nitrogen atom	Tetrahedron	Artículo	2007
Synthesis and reactivity of 5-alkoxy-1,4-diheteroepanes and of medium acetalic benzo-fused oxacycles: preparation of cyclic and acyclic uracil hemiaminals with notable biological activities	Modern approaches to the synthesis of o- and n-heterocycles	Capítulo de libro	2007
Total synthesis of the 5-epimers of naturally occurring (-)-hyacinthacine a5 and unnatural (+)-hyacinthacine a4	Tetrahedron: asymmetry	Artículo	2007
Conformationally restricted dipeptide amides as potent and selective neuronal nitric oxide synthase inhibitors	Journal of medicinal chemistry	Artículo	2006
Diseño y síntesis de derivados del ácido hidroxámico como inhibidores de las histonas desacetilasas con actividad antitumoral	Universidad de granada. química farmacéutica y orgánica	Tesis doctoral	2006
Enantiodiscrimination of racemic electrophiles by diketopiperazine enolates: asymmetric synthesis of methyl 2-amino-3-aryl-butanoates and 3-methyl-aspartates	Tetrahedron	Artículo	2006
Polyhydroxylated pyrrolidines. part 4: synthesis from d-fructose of protected 2,5-dideoxy-2,5-imino-d-galactitol derivatives	Tetrahedron	Artículo	2006
Polyhydroxylated pyrrolidines. part 7. stereoselective synthesis of unnatural analogs of (+)-casuarine from partially protected dgdp	Journal of carbohydrate chemistry	Artículo	2006
Polyhydroxylated pyrrolidines. part 8. enantiospecific synthesis of looking-glass analogues of hyacinthacine a5 from dadp	Tetrahedron	Artículo	2006
Study of the factors that control the ratio of the products between 5-fluorouracil, uracil, and tetrahydrobenzoxazepine o,o-acetals bearing electron-withdrawing groups on the nitrogen atom	Journal of organic chemistry	Artículo	2006
Synthesis and anticancer activity studies of novel 1-(2,3-dihydro-5h-1,4-benzodioxepin-3-yl)uracil and (6-substituted)-7- or 9-(2,3-dihydro-5h-1,4-benzodioxepin-3-yl)-7h- or 9h-purines	Tetrahedron	Artículo	2006
Synthesis and preliminary biological evaluation of (2s,1′r,2′s)- and (2s,1′s,2′r)-2-(2′-phosphonocyclopropyl)glycines, two novel conformationally constrained l-ap4 analogues	Bioorganic & medicinal chemistry letters	Artículo	2006
Asymmetric conjugate reductions with samarium diiodide: asymmetric synthesis of (2s,3r)- and (2s,3s)-[2-2h,3-2h]leucine-(s)-phenylalanine dipeptides and (2s,3r)-[2-2h,3-2h]-phenylalanine methyl ester	Organic and biomolecular chemistry	Artículo	2005
Exploring the binding conformations of bulkier dipeptide amide inhibitors in constitutive nitric oxide synthases	Biochemistry (easton)	Artículo	2005
New oxazolidinone antibacterial agents	Antibiotics	Capítulo de libro	2005
Ni(ii) tol-binap-catalyzed enantioselective michael reactions of beta-ketoesters and unsaturated n-acylthiazolidinethiones	Journal of physics and chemistry of solids	Artículo	2005
Polyhydroxylated pyrrolidines, iii. synthesis of new protected 2,5-dideoxy-2.5-iminohexitols from d-fructose	Tetrahedron	Artículo	2005

Polyhydroxylated pyrrolizidines. part 6: a new and concise stereoselective synthesis of (+)-casuarine and its 6,7-diepi isomer, from dmdp	Tetrahedron	Articulo	2005
Structure of anisakis simplex s.l. populations in a region sympatric for a. pegreffii and a. simplex s.s.: absence of reproductive isolation between both species	Molecular and biochemical parasitology	Articulo	2005
4-octulose derivatives; part 8: highly stereocontrolled synthesis of 2-deoxy-4-octulosonitriles by reformatsky-type reaction	Synthesis	Articulo	2004
Diastereoselective conjugate reduction with samarium diiodide: asymmetric synthesis of methyl (2s,3r)-n-acetyl-2-amino-2,3-dideuterio-3-phenylpropionate	Chemical communications	Articulo	2004
Ideas básicas de química orgánica	Grupo anaya	Libros	2004
Polyhydroxylated pyrrolizidines. part 4: total asymmetric synthesis of unnatural hyacinthacines from a protected derivative of dgdp	Tetrahedron: asymmetry	Articulo	2004
Polyhydroxylated pyrrolizidines. part 5: stereoselective synthesis of 1,2-dihydroxypyrrolizidines as a model for the preparation of densely polyhydroxylated pyrrolizidines	Tetrahedron: asymmetry	Articulo	2004
Potent and selective conformationally restricted neuronal nitric oxide synthase inhibitors	Journal of medicinal chemistry	Articulo	2004
Structural basis for dipeptide amide isoform-selective inhibition of neuronal nitric oxide synthase	Nature structural biology	Articulo	2004
Substituent effects on the reaction mode between 2-hydroxybenzyl alcohol derivatives and mem chloride: synthesis and mechanistic aspects of seven- and ten-membered benzo-fused o,o-acetals	Tetrahedron	Articulo	2004
Synthesis of tetrahydrobenzoxazepine acetals with electron-withdrawing groups on the nitrogen atom. novel scaffolds endowed with anticancer activity against breast cancer cells	Tetrahedron	Articulo	2004
Molecular arguments for considering hysterothylacium fabri (nematoda : anisakidae) a complex of sibling species	Parasitology research	Articulo	2003
Polyhydroxylated pyrrolizidines. part 3: a new and short enantiospecific synthesis of (+)-hyacinthacine a(2)	Tetrahedron: asymmetry	Articulo	2003
Short enantiosynthesis of dioxaspiroacetalic semiochemicals by using chiral building blocks from rac-1,n-alkanediols by lipase-mediated resolution	Synthesis (la plata)	Articulo	2003
Synthesis and evaluation of new 5-fluorouracil antitumor cell differentiating derivatives	Bioorganic & medicinal chemistry	Articulo	2003
Hexulose derivatives and lipase-mediated diastereomeric resolution in the enantiospecific total synthesis of (-)- talaromycins c and e	European journal of organic chemistry	Articulo	2002
Polyhydroxylated pyrrolidines part 2: highly stereoselective synthesis of partially protected dmdp derivatives from d- fructose	Tetrahedron: asymmetry	Articulo	2002
Polyhydroxylated pyrrolizidines part 2: the first total synthesis of (+)-hyacinthacine a(3)	Tetrahedron: asymmetry	Articulo	2002
Quantitative structure-activity relationships for a series of symmetrical bisquaternary anticancer compounds	Bioorganic & medicinal chemistry	Articulo	2002
A practical route to partially protected pyrrolidines as precursors for the stereoselective synthesis of alexines.	Carbohydrate research	Articulo	2001
Cis- and trans-l-[3-(hydroxymethyl)-1,4-dioxepan-5- yl]pyrimidines: a new nucleoside prototype with a seven- membered moiety	Tetrahedron	Articulo	2001
Highly stereocontrolled alkylation of protected 'diacetone hexulose aldehydes';	Tetrahedron: asymmetry	Articulo	2001
Lipase mediated resolution of 1,3-butanediol derivatives: chiral building blocks for pheromone enantiosynthesis. part 3	Tetrahedron: asymmetry	Articulo	2001
Mild and selective sodium azide mediated cleavage of p-nitrobenzoic esters	Organic letters	Articulo	2001

Polyhydroxylated pyrrolizidines. part 1: short and highly stereocontrolled syntheses of hyacinthacines	Tetrahedron: asymmetry	Articulo	2001
Short, highly efficient syntheses of protected 3-azido- and 4-azidoproline and their precursors	Organic letters	Articulo	2001
Synthesis of branched-chain hexulose derivatives as model for the synthesis of talaromycins	Journal of carbohydrate chemistry	Articulo	2001
Análisis e identificación de los volátiles procedentes del barrenillo del olivo phloeotribus scarabaeoides. contribución a la determinación de los semioquímicos asociados.	Ars pharmaceutica	Articulo	2000
From a classic approach in cancer chemotherapy towards differentiation therapy: acyclic and cyclic seven-membered 5- fluorouracil o,n-acetals	Current pharmaceutical design	Articulo	2000
From a classic approach in cancer chemotherapy towards differentiation therapy: acyclic and cyclic seven-membered 5-fluorouracil o,n-acetals	Current pharmaceutical design	Articulo	2000
Lipase-mediated partial resolution of 1,2-diol and 2-alkanol derivatives: towards chiral building-blocks for pheromone synthesis	Tetrahedron: asymmetry	Articulo	2000
Los nuevos retos de la industria farmacéutica.	Ars pharmaceutica	Articulo	2000
Response of parasitoids dendrosoter protuberans and cheiropachus quadrum to attractants of phloeotribus scarabaeoides in an olfactometer	Journal of chemical ecology	Articulo	2000
Chiral building-blocks by chemoenzymatic desymmetrization of 2- ethyl-1,3-propanediol for the preparation of biologically active natural products	Tetrahedron: asymmetry	Articulo	1999
Chemical modifications on the acyclic moiety of 3-(2-hydroxyethoxy)-1-alkoxypropyl nucleobases .2. differentiation and growth inhibition in rhabdomyosarcoma cells after exposure to a novel 5-fluorouracil acyclonucleoside	Tetrahedron	Articulo	1997
Chemical modifications on the acyclic moiety of [3-(2-hydroxyethoxy)-1-alkoxy]-propyl nucleobases. 2. differentiation and growth inhibition in rhabdomyosarcoma cells after exposure to a novel 5-fluorouracil acyclonucleoside	Tetrahedron	Articulo	1997
Diastereoselective intramolecular cyclization through the triphenylphosphine/carbon tetrachloride system: synthesis of saturated 1,4-dihetero seven-membered cycloacetals	Synlett	Articulo	1995
(mm ²) theoretical conformational analysis of seven-membered rings; iv: thiepane and 1,4-oxathiepane	Journal of molecular structure	Articulo	1993
A facile synthetic method for pyrimidine acyclonucleoside analogues from alkoxy-1,4-diheterocycloheptanes	Synlett	Articulo	1993
1,4-diheterocicloheptane derivatives	Il farmaco	Articulo	1991
Iones oxocarbonios: descetalacion de 1,3-dioxolanos y otros procesos en medios no acuosos	Anales de química	Articulo	1991
Preparación y estructura de 4-(2-hidroxietoxi)-2-butanona	Anales de química	Articulo	1991
Conformational analysis of some 1,4-dioxepane systems. 2. methoxy-1,4-dioxepanes	Journal of organic chemistry	Articulo	1990
Reactividad de 5-metoxi-2,3-dihidro-5h-1,4-dioxepino: contraccion de anillo catalizada mediante acidos	Anales de química	Articulo	1990
Conformational analysis of some 1,4-dioxepines by molecular mechanics	Journal of organic chemistry	Articulo	1989
Inhibitory effect of new pyrimidine bases on trypanosoma cruzi	Naunyn-schmiedeberg's archives of pharmacology	Articulo	1989
Síntesis de derivados de 4,5,6,7-tetrahidroindol	Ars pharmaceutica	Articulo	1986

	Título proyecto	Tipo	Inicio	Fin
1	Contratado predoctoral, beca asociada a proyecto de excelencia de la junta de andalucía	Contrato	10/16/15	12/15/18
2	Nueva diana para el tratamiento del cancer mediante la inhibición específica de la movilidad del retrotransposon humano line-1	Proyecto	10/1/17	10/31/18
3	Tratamiento de hiperoxaluria primaria mediante inhibición de glicolato oxidasa	Proyecto	10/1/16	12/31/17
4	Ohf - new glycolate oxidase inhibitors for the treatment of primary hyperoxaluria	Proyecto	10/1/14	6/30/16
5	New glycolate oxidase inhibitors for the treatment of primary hyperoxaluria	Proyecto	10/1/14	12/31/15
6	Síntesis y caracterización de nuevos ligandos quirales tri y tetradentados, basados en carbohidratos, con actividad catalítica en agua.	Proyecto	10/3/10	2/2/14
7	Síntesis de glicopéptidos inhibidores de interacciones proteína-proteína con actividad neuroprotectora	Proyecto	10/1/10	12/31/12
8	Síntesis y evaluación de nuevos inhibidores de las historias desacetilasas	Proyecto	10/14/12	12/31/12
9	New drugs for the treatment of primary hiperoxaluria	Proyecto	10/31/09	11/30/12
10	Análisis de la estabilidad de fármacos en mezclas intravenosas de uso en clínica	Contrato	10/1/09	12/31/10
11	Utilización del dispositivo e-book en la enseñanza teórica y práctica universitaria	Proyecto	10/1/10	9/30/10
12	Caracterización de la actividad antitumoral de nuevos inhibidores de las histonas desacetilasas	Proyecto	10/11/07	3/31/10
13	Diseño y síntesis de moléculas con capacidad para inhibir la interacción de los nros con el receptor nmda	Proyecto	10/30/04	12/30/07

Actividades 1

Título actividad	Entidad	Tipo	Fecha
Participación en: comisión de investigación del departamento de química farmacéutica y orgánica, univ. de granada (departamento de química farmacéutica y orgánica de la universidad de granada)	Departamento de química farmacéutica y orgánica de la universidad de granada	Comité científico en sociedad ci	Sep 7, 2008

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