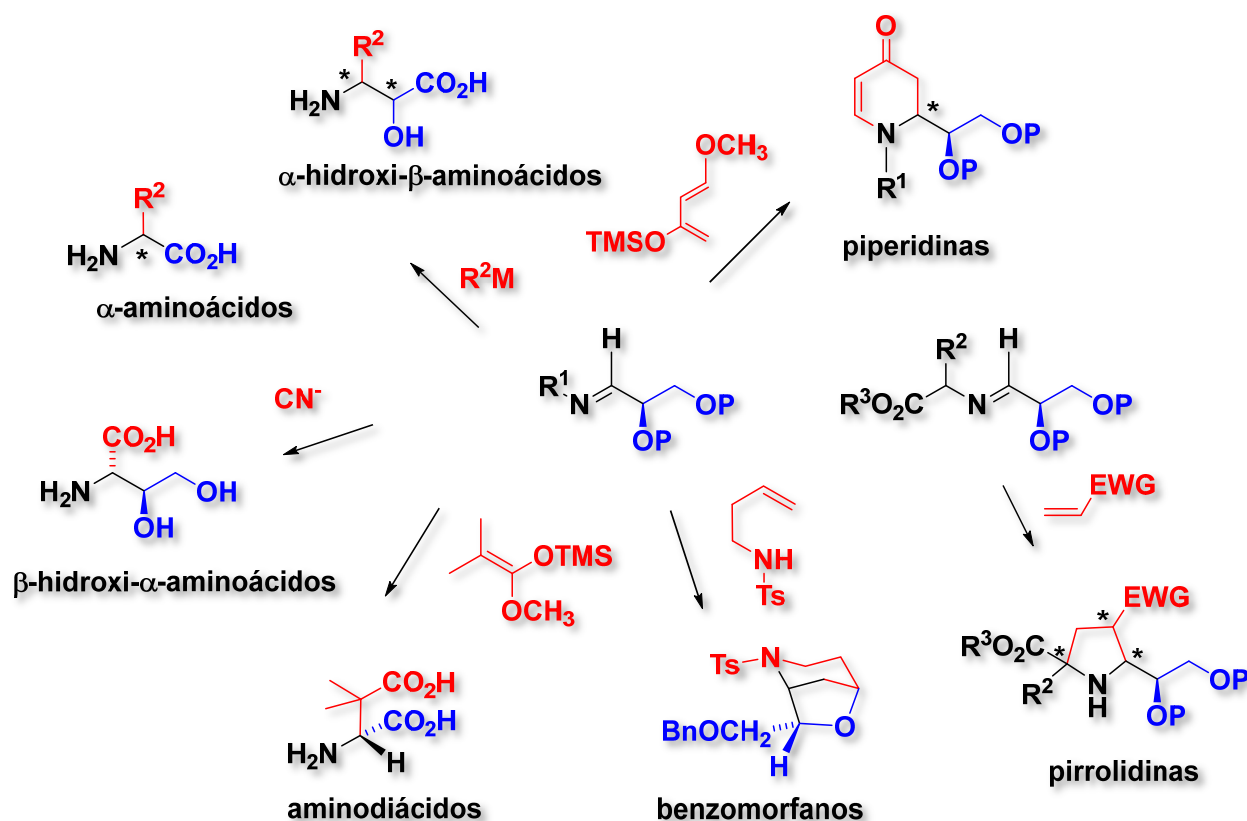


Iminas Devivadas de D-Gliceraldehído como Sintones Quirales



Autores: J. A. Gálvez, R. Badorrey, A. Mahía, M. D. Díaz-de-Villegas

Título: Asymmetric synthesis of (1R,5S)-2-methyl-6,7-benzomorphan via Aza-Prins reaction

Revista: Chirality 33, 543-548, 2021

DOI: 10.1002/chir.23338

Autores: A. Castán, R. Badorrey, J. A. Díez, C. T. Chistoffersen, L. K. Rasmussen, J. Kehler, R. Köhler, J. A. Gálvez, M. D. Díaz-de-Villegas

Título: Debenzylative cycloetherification as a synthetic tool in the diastereoselective synthesis of 3,6-disubstituted hexahydro-2H-furo[3,2-b]pyrroles, PDE1 enzyme inhibitors with an antiproliferative effect on melanoma cells

Revista: J. Org. Chem. 85, 5941-5951, 2020

DOI: 10.1021/acs.joc.0c00276

Autores: J. A. Gálvez, R. Clavería-Gimeno, J. J. Galano-Frutos, J. Sancho, A. Velázquez-Campoy, O. Abian, M. D. Díaz-de-Villegas

Título: Stereoselective synthesis and biological evaluation as inhibitors of hepatitis C virus RNA polymerase of GSK3082 analogues with structural diversity at the 5- position

Revista: Eur. J. Med. Chem. 171, 401-419, 2019

DOI: 10.1016/j.ejmech.2019.03.019

Autores: A. Mahía, R. Badorrey, J. A. Gálvez, M. D. Díaz-de-Villegas

Título: Diastereoselective construction of the 6-oxa-2-azabicyclo[3.2.1]octane scaffold from chiral α -hydroxyaldehyde derivatives by the Aza-Prins reaction

Revista: J. Org. Chem. 82, 8048-8057, 2017

DOI: 10.1021/acs.joc.7b01291

Autores: J. A. Gálvez, M. D. Díaz-de-Villegas, M. Alias, R. Badorrey

Título: Chiral iminoesters derived from D-glyceraldehyde in [3+2] cycloaddition reactions. Asymmetric synthesis of a key intermediate in the synthesis of neuramidinase inhibitors

Revista: J. Org. Chem. 78, 11404-11413, 2013

DOI: 10.1021/jo401967a

Autores: J. A. Díez, J. A. Gálvez, M. D. Díaz-de-Villegas, R. Badorrey, B. Bartholomew, R. J. Nash

Título: Stereoselective synthesis and biological evaluation of D-fagomine, D-3-epi-fagomine and D-3,4-epi-fagomine analogs from D-glyceraldehyde acetonide as a common building block

Revista: Org. Biomol. Chem. 10, 9278-9286, 2012

DOI: 10.1039/c2ob26732b

Autores: J. A. Gálvez, M. D. Díaz de Villegas, R. Badorrey, P. López Ram de Víu

Título: Switch in regioselectivity of epoxide ring-opening by changing the organometallic reagent

Revista: Org. Biomol. Chem. 9, 8155-8162, 2011

DOI: 10.1039/c1ob06216f

Autores: P. Etayo, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez, P. López-Ram-de-Víu

Título: An expeditious method for the first asymmetric synthesis of dexoxadrol from the chiral pool

Revista: Synlett 1775-1778, 2010

DOI: 10.1055/s-0030-1258110

Autores: A. Allepuz, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: Diastereoselective reduction of ketimines derived from (*R*)-3,4-dihydroxybutan-2-one. An alternative route to key intermediates for the synthesis of anticancer agent ES-285

Revista: Tetrahedron: Asymmetry 21, 503-508, 2010

DOI: 10.1016/j.tetasy.2010.02.012

Autores: A. Allepuz, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: Asymmetric synthesis of ES-285, an anti-cancer agent isolated from marine sources

Revista: Eur. J. Org. Chem. 6172-6178, 2009

DOI: 10.1002/ejoc.200900828

Autores: R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: Expedient asymmetric synthesis of (2*S*,3*S*)-Boc-phenylalanine epoxide, a key intermediate for the synthesis of biologically active compounds

Revista: Tetrahedron: Asymmetry 20, 2226-2229, 2009

DOI: 10.1016/j.tetasy.2009.08.001

Autores: R. Badorrey, E. Portaña, M. D. Díaz de Villegas, J. A. Gálvez

Título: Stereocontrolled synthesis of orthogonally protected 2-substituted 4-aminopiperidines

Revista: Org. Biomol. Chem. 7, 2912-2918, 2009

DOI: 10.1039/b904948g

Autores: P. Etayo, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: First stereoselective synthesis of (1*R*,2*R*,4*R*)- and (1*S*,2*R*,4*S*)-2-substituted-1-azabicyclo[2.2.1]heptanes

Revista: Eur. J. Org. Chem. 1372-1376, 2009

DOI: 10.1002/ejoc.200801216

Autores: P. Etayo, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: Stereoselective synthesis of chiral 2,3-disubstituted 2,3-dihydro-4(1*H*)-pyridones

Revista: Eur. J. Org. Chem. 6008-6014, 2008

DOI: 10.1002/ejoc.200800697

Autores: P. Etayo, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: Asymmetric synthesis of a novel conformationally constrained lysine analogue with a piperidine skeleton

Revista: Eur. J. Org. Chem. 3474-3478, 2008

DOI: 10.1002/ejoc.200800069

Autores: P. Etayo, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: Asymmetric homologation of ketones. A new entry to orthogonally protected (2*R*,4*R*)-piperidine-2,4-dicarboxylic acid

Revista: J. Org. Chem. 73, 8594-8597, 2008

DOI: 10.1021/jo801515k

Autores: P. Etayo, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: Synthesis of (*R*)-quinuclidine-2-carboxylic acid in enantiomerically pure form

Revista: Tetrahedron Lett. 49, 2251-2253, 2008

DOI: 10.1016/j.tetlet.2008.02.035

Autores: P. Etayo, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: Efficient stereoselective synthesis of enantiopure *cis*- and *trans*-1,2,4-trisubstituted piperidines

Revista: Tetrahedron: Asymmetry, 18, 2812-2819, 2007

DOI: 10.1016/j.tetasy.2007.10.042

Autores: R. Díez, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: Highly stereoselective synthesis of stereochemically defined polyhydroxylated propargylamines by alkynylation of *N*-benzyl imines derived from (*R*)-glyceraldehyde

Revista: Eur. J. Org. Chem. 2114-2120, 2007

DOI: 10.1002/ejoc.200601011

Autores: P. Etayo, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: Base-controlled diastereodivergent synthesis of (*R*)- and (*S*)-2-substituted-4-alkylidenepiperidines by the Wadsworth–Emmons reaction

Revista: J. Org. Chem. 72, 1005-1008, 2007

DOI: 10.1021/jo062075c

Autores: P. Etayo, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: Efficient stereodivergent synthesis of *cis*-(2*R*,4*S*) and *trans*-(2*R*,4*R*)-phosphonomehyl-2-piperidinecarboxylic acids from the same chiral starting imine derived from (*R*)-glyceraldehyde

Revista: Synlett 2799-2803, 2006

DOI: 10.1055/s-2006-950272

Autores: P. Etayo, R. Badorrey, M. D. Díaz de Villegas, J. A. Gálvez

Título: Unexpected epimerization at C₂ in the Horner-Wadsworth-Emmons reaction of chiral 2-substituted-4-oxopiperidines

Revista: Chem. Commun. 3420-3422, 2006

DOI: 10.1039/b608067g

Autores: R. Badorrey, C. Cativiela, M. D. Díaz de Villegas, R. Díez, F. Galbiati, J. A. Gálvez

Título: Highly diastereoselective cyanation of methyl ketimines obtained from (*R*)-glyceraldehyde

Revista: J. Org. Chem. 70, 10102-10105 2005

DOI: 10.1021/jo051592c

Autores: R. Badorrey, C. Cativiela, M. D. Díaz de Villegas, R. Díez, J. A. Gálvez

Título: The first asymmetric synthesis of 1,4-dideoxy-1,4-imino-D-talitol

Revista: Synlett 1734-1735, 2005

DOI: 10.1055/s-2005-871534

Autores: R. Badorrey, C. Cativiela, M. D. Díaz de Villegas, R. Díez, J. A. Gálvez

Título: Efficient stereodivergent synthesis of 1,4-dideoxy-1,4-iminohexitols from an (*S*)-glyceraldimine

Revista: Tetrahedron Lett. 45, 719-722, 2004

DOI: 10.1016/j.tetlet.2003.11.053

Autores: R. Badorrey, C. Cativiela, M. D. Díaz de Villegas, J. A. Gálvez

Título: Study of the Lewis acid promoted addition of silylenol ethers to imines derived from glyceraldehyde

Revista: Tetrahedron Lett. 44, 9189-9192, 2003

DOI: 10.1016/j.tetlet.2003.10.027

Autores: R. Badorrey, C. Cativiela, M. D. Díaz de Villegas, R. Díez, J. A. Gálvez

Título: Study of the reaction between vinylmagnesium bromide and imines derived from (*R*)-glyceraldehyde. The key step in the stereodivergent synthesis of conveniently protected, enantiopure *syn* and *anti* 2-amino-1,2,4-butanetriol derivatives

Revista: Eur. J. Org. Chem, 2268-2275, 2003

DOI: 10.1002/ejoc.200200631

Autores: R. Badorrey, C. Cativiela, M. D. Díaz de Villegas, R. Díez, J. A. Gálvez

Título: Stereodivergent addition of allylmethyl reagents to imines derived from (*R*)-2,3-di-O-benzylglyceraldehyde via appropriate metal selection and double stereodifferentiation

Revista: Eur. J. Org. Chem. 3763-3767, 2002

DOI: 10.1002/1099-0690(200211)2002:22<3763::AID-EJOC3763>3.0.CO;2-K

Autores: R. Badorrey, C. Cativiela, M. D. Díaz de Villegas, J. A. Gálvez

Título: Highly convergent stereoselective synthesis of chiral key intermediates in the synthesis of Palinavir from imines derived from L-glyceraldehyde

Revista: Tetrahedron 58, 341-354, 2002

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Autores: R. Badorrey, C. Cativiela, M. D. Díaz de Villegas, J. A. Gálvez

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Revista: Tetrahedron: Asymmetry 11, 1015-1025, 2000

DOI: 10.1016/S0957-4166(00)00022-7

Autores: R. Badorrey, C. Cativiela, M. D. Díaz de Villegas, J. A. Gálvez

Título: Stereocontrolled synthesis of all four stereoisomers of fully protected 2-amino-3-hydroxypentanoic acid from imines derived from (*R*)-glyceraldehyde

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DOI: 10.1016/S0040-4020(99)00880-7

Autores: R. Badorrey, C. Cativiela, M. D. Díaz de Villegas, J. A. Gálvez

Título: Study of the reaction of imines derived from (*R*)-glyceraldehyde with Danishefsky's diene

Revista: Tetrahedron 55, 7601-7612, 1999

DOI: 10.1016/S0040-4020(99)00377-4

Autores: C. Cativiela, M. D. Díaz de Villegas, J. A. Gálvez

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Autores: R. Badorrey, C. Cativiela, M. D. Díaz de Villegas, J. A. Gálvez

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Autores: R. Badorrey, C. Cativiela, M. D. Díaz de Villegas, J. A. Gálvez

Título: Reversal of the stereochemical course of phenylmagnesium bromide addition to *N*-benzylimines derived from (*R*)-glyceraldehyde depending on the O-protecting group and its application to the synthesis of both enantiomers of phenylglycine

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Revista: *Synthesis*, 747-749, **1997**

DOI: 10.1055/s-1997-3184

Autores: C. Cativiela, M. D. Díaz de Villegas, J. A. Gálvez, J. I. García

Título: Diastereoselective Strecker reaction of D-Glyceraldehyde derivatives. A novel route to (2*S*,3*S*)- and (2*R*,3*S*)-2-amino-3,4-dihydroxybutyric acid

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Autores: C. Cativiela, M. D. Díaz de Villegas, J. A. Gálvez

Título: Stereoselective synthesis of α -hydroxy- β -amino acids using D-glyceraldehyde as the homochiral source

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