

Publications

J. Belloc, Virgili M, et al.

"Bis(tert-butylsulfonyl)acetylene as a general synthetic equivalent of alkynes in Diels-Alder Chemistry." I: Highly selective reduction and alkylating monodesulfonylation of Z-1,2-bis(tert-butylsulfonyl)ethenes.

Tet. Let. 1991, 32(35), 4579-4582.

J. Belloc, Virgili M, et al.

"Bis(tert-butylsulfonyl)acetylene as a general synthetic equivalent of alkynes in Diels-Alder Chemistry." II: Reductive and alkylative desulfonylations of bicyclic 1-alkyl-2-(tert-butylsulfonyl)ethenes.

Tet. Let. 1991, 32(35), 4583-4586.

Bartrolí J, Turmo E, Belloc J, et al.

"The Aldol Condensation of Evans Chiral Enolates with acetophenones. Its application to the stereoselective synthesis of homochiral antifungal agents."

J. Org. Chem. 1995,60 (10), 3000-3012.

T. Parella, J. Belloc, A. Virgili, F Sánchez-Ferrando

A general building block to introduce carbon-multiplicity information into multidimensional HSQC-type experiments.

Magnetic Resonance in Chemistry, 36,715-719 (1998)

T. Parella, J. Belloc, A. Virgili, F Sánchez-Ferrando

Novel Selective 1D experiments based on heteronuclear J cross polarization.

Magnetic Resonance in Chemistry, 37 (9) 631-6 (1999).

T. Parella, J. Belloc

Spin State Selective Excitation in selective -1D inverse NMR experiments

J. Mag. Res. 148, 78-87 (2001)

T. Parella, J. Belloc

Gradient Enhanced 1D HMQC and HSQC relayed experiments with maximum sensitivity

Mag. Res. Chem. 39, 311-315 (2001)

T. Parella, J. Belloc

Modern proton-detected 1D 1H-15N NMR experiments. Application to the measurement of 1H, 15N coupling constants at natural abundance

Mag. Res. Chem. 40, 133-138 (2002)

T. Parella, J. Belloc

Measurement of the sign and the magnitude of heteronuclear coupling constants from spin-state-edited J-cross-polarization NMR experiments.

Magn Reson Chem. 42(10):852-62. (2004)

Almansa C, Bartrolí J, Belloc J,

New water-soluble sulfonylphosphoramidic acid derivatives of the COX-2 selective inhibitor cimicoxib. A novel approach to sulfonamide prodrugs

J Med Chem. 47:5579-82. (2004)

Patents

Bartrolí J, Belloc J, et al.

"Procedimiento para la obtención de nuevas oxazolidinas". ES 2,038,906.

Bartrolí J, Belloc J, et al.

"New sulfonamides as antifungal agents". EP 480215, US 5,360,813 y US 5,344,839, JP 289319/91 CA 2052921

Bartrolí J, Belloc J, et al.

"Procedimiento para la obtención de nuevas dihidropiridinas". ES 2,040,181.

Bartrolí J, Belloc J, et al.

"Procedimiento para la obtención del (-)-(2R,3R)-2-(2,4-diclorofenil)-3-(N-metanosulfonil-N-metilamino)-1-(1H-1,2,4-triazol-1-il)-2-butanol". ES 2,051,226.

Carceller, E, Belloc J

"Rupatadine salt as an Antihistaminic agent". WO 2012/001120 A1.

Selected Lectures and Presentations

Throughout my career I have attended many international conferences and seminars and I have participated in specialized courses as a teacher, I quote some of them:

1.- T. Parella, J.. Belloc, A. Virgili, F. Sánchez-Ferrando

Improved sensitivity in Heteronuclear Gradient-Based 1D experiments. (poster)

European Experimental NMR Conference (EENC).

Bled (Slovenia) March 1998.

2.- *"Impurezas y Substancias de Degradación en principios activos y productos farmacéuticos",*
(*"Impurities and degradation products in drug substances and drug products"*)

Programa superior de formación farmacéutica.

Formación continuada Palau de les Heures. December 2002. (*Course given as a teacher*)

3.- *"Caracterización de Impurezas en fármacos"* (*"Drug Impurity Profile Characterization"*)

Bruker User's Meeting. May, 2003 (*Invited speaker conference*).

4.- *"Screening fisicoquímico. Primeras etapas del descubrimiento de fármacos"*

Tendencias actuales en HPLC y MS en la Industria Farmacéutica.

Waters. Barcelona / Madrid. October 2003. (*Invited speaker conference*)

5.- *Heteronuclear Cross Polarization.*

II Reunión Bienal del Grupo Especializado de RMN de la RSEQ

Santiago de Compostela. September 2004 (*Invited speaker conference*).

6.- *"Impact of Mass Spectrometry in modern Drug Discovery"*

Jornadas de Instrumentación Waters

Madrid. November 2009 (*Invited speaker conference*)