

12th International Cyclodextrin Symposium Montpellier, 2004

PODIUM PRESENTATIONS

INVITED LECTURES ON MONDAY MORNING, 17 MAY 2004 (9.00 h - 10.10 h)

- I-01 LARGE CYCLODEXTRINS, OVERVIEW AND RECENT DEVELOPMENTS
Kim Lambertsen Larsen
- I-02 BEYOND THE DOGHNUT ? STRUCTURES OF CYCLOAMYLOSES WITH 10, 14 AND 26 GLUCOSE
W. Saenger, J. Jacob, T. Takaha, O. Nimz, K. Geßler

ORAL PRESENTATIONS ON MONDAY MORNING, 17 MAY 2004 (10.30 h - 12.10 h)

- O-01 REACTION CONDITIONS AFFECTING THE YIELD OF LARGE-RING CYCLODEXTRINS SYNTHESIZED BY CYCLODEXTRIN GLUCANOTRANSFERASE FROM *BACILLUS MACERANS*
Wolfgang Zimmermann, Qingsheng Qi
- O-02 CYCLODEXTRINS BEARING CARBOXYLIC AND/OR AMINO GROUPS: SYNTHESIS AND SELF-ASSEMBLING PROPERTIES
Tomáš Kraus, Miloš Budešínský, Ivana Císarová, and Jirí Závada
- O-03 NOVEL CYCLODEXTRIN-BASED DONOR-ACCEPTOR SUPERMOLECULES: PHOTOINDUCED ELECTRON AND ENERGY TRANSFERS
Tia E Keyes, Andrea McNally, Noel R. Russell
- O-04 NOVEL GLYCOSYLATED SUPRACYCLODEXTRINS AS "SMART" AND MULTIVALENT CARRIERS INTERACTING WITH SPECIFIC RECEPTORS
Antonino Mazzaglia, Antonio Valerio, Raphael Darcy, Domenico Lombardo, Norberto Micali, Luigi Monsù Scolaro, Valentina Villari, Luigi Lay, and Anna Rencurosi
- O-05 PHOSPHINIDENE-CAPPED CYCLODEXTRINS: A NEW GENERATION OF "INTROVERTED" LIGANDS
Laurent Poorters, Dominique Armspach, Eric Engeldinger, Dominique Matt

INVITED LECTURES ON MONDAY AFTERNOON, 17 MAY 2004 (14.30 h - 15.40 h)

- I-03 SELF ASSEMBLING CYCLODEXTRIN SYSTEMS – FROM VESICLES TO GENOCOMPLEXES
Raphael Darcy, Bart Jan Ravoo, Antonino Mazzaglia, Erwan Kan, Caitriona O'Driscoll
- I-04 ROTAXANES AND CYCLODEXTRIN-BASED MOLECULAR MACHINES
Akira Harada

ORAL PRESENTATIONS ON MONDAY AFTERNOON, 17 MAY 2004 (16.00 h - 17.40 h)

- O-06 NOVEL AMPHIPHILIC CYCLODEXTRINS BUILT ON A CHIRAL TEMPLATE : RELATIONS BETWEEN MOLECULAR STRUCTURES, PHYSICO-CHEMICAL AND BIOLOGICAL PROPERTIES
Stéphane Moutard, Bruno Perly, Florence Djedaïni-Pilard
- O-07 COPOLYMERS BASES ON POLYROTAXANES SYNTHESIS BY RADICALAR WAY
Nathalie Jarroux, Philippe Guégan, Hervé Cheradame, Loïc Auvray
- O-08 SOMERSAULT OF GLUCOPYRANOSE UNITS IN PERMETHYLATED β -CYCLODEXTRIN MOIETIES ATTACHED TO A PORPHYRIN SUBSTRUCTURE
Ryuhei Nishiyabu, Koji Kano
- O-09 CYCLODEXTRIN POLYMERS FOR POLYANION COMPLEXATION
Catherine Amiel, Céline Galant, Véronique Wintgens, Loïc Auvray
- O-10 SYNTHESIS OF REGIOSELECTIVELY 3¹-O-ALKYLATED β -CYCLODEXTRIN DERIVATIVES USING WITTIG REACTION
Michal Kusák, Jindrich Jindrich, Iva Tišlerová

INVITED LECTURES ON TUESDAY MORNING, 18 MAY 2004 (9.00 h - 10.10h)

- I-05 MOLECULAR-IMPRINTING OF CYCLODEXTRINS
Makoto Komiyama, Hiroyuki Asanuma, Takayuki Hishiya, and Tomohiro Akiyama
- I-06 DESIGN AND SYNTHESIS OF CYCLODEXTRIN DERIVATIVES FOR CHIRAL SEPARATION
L. Jicsinszky, R. Iványi

ORAL PRESENTATIONS ON TUESDAY MORNING, 18 MAY 2004 (10.30h - 12.10h)

- O-11 INCLUSION COMPLEX OF β -CYCLODEXTRIN WITH A GLYCOCONJUGATE: CRYSTAL ARCHITECTURE AND CONFORMATIONAL PROPERTIES
Andrea Mele, Luciana Malpezzi, Claudio Fuganti, Giovanni Fronza, Sergio Brückner
- O-12 ISOTOPE EFFECTS ON COMPLEXATION THERMODYNAMICS OF NATIVE AND MODIFIED CYCLODEXTRINS
Yoshihisa Inoue, Mikhail V. Rekharsky
- O-13 NMR INVESTIGATIONS OF INCLUSION COMPLEXES BETWEEN SPIN TRAPS AND β -CYCLODEXTRIN
David Bardelang, Jean-Louis Clément, Jean-Pierre Finet, Hakim Karoui, Paul Tordo
- O-14 NEW PHASE-DISTRIBUTION METHOD TO INVESTIGATE CYCLODEXTRIN COMPLEXATION
Már Másson, Birna V. Sigurðardóttir, Kristján Matthíasson, Thorsteinn Loftsson
- O-15 TRENDS IN THE COMPLEXATION OF ORGANIC MOLECULES BEARING TWO PERIPHERAL BENZENE RINGS WITH AQUEOUS β -CYCLODEXTRIN
Musa I. El-Barghouthi, Khaldoun A. Al-Sou'od, Mohammad B. Zughul and Adnan A. Badwan

INVITED LECTURES ON TUESDAY AFTERNOON, 18 MAY 2004 (14.30 h -15.40 h)

- I-07 CYCLODEXTRINS AS PROMOTERS OF CAPTURE AND PROLONGED RELEASE OF ACTIVE SUBSTANCES IN TEXTILE TECHNICAL AND BIOMATERIAL APPLICATIONS
B. Martel, N. Blanchemain, F. Boschin, D. Ruffin, S. Haulon, H.F. Hildebrand, M. Morcellet, G. Vermeersch, N. Azaroual, Y. Bakkour
- I-08 ROLE OF CYCLODEXTRIN IN OPHTHALMIC FORMULATIONS
Ashim K. Mitra

ORAL PRESENTATIONS ON TUESDAY AFTERNOON, 18 MAY 2004 (16.00 h - 17.40 h)

- O-16 DIRECT MASS SPECTROMETRY AND LC-MS: POWERFUL ANALYTICAL TOOLS IN THE RAPID CHARACTERIZATION OF MODIFIED CYCLODEXTRINS
Claire Elfakir, Patrick Chaimbault, Patrick Favetta, Michel Lafosse
- O-17 DEVELOPMENT OF A UNIVERSAL METHOD FOR THE DETERMINATION OF ENANTIOMERIC COMPOSITIONS OF PHARMACEUTICAL PRODUCTS
Chieu D. Tran, Victor I. Grishko and Daniel Oliveira
- O-18 ENANTIOSEPARATION OF BASIC PHARMACEUTICALS IN NON-AQUEOUS CAPILLARY ELECTROPHORESIS USING ANIONIC CYCLODEXTRINS AS CHIRAL SELECTORS
Jacques Crommen, Anne-Catherine Servais, Marianne Fillet, Philippe Hubert
- O-19 THE USE OF CYCLODEXTRINS IN GAS CHROMATOGRAPHY – SCOPE AND LIMITATIONS
Wilfried A. König, Melanie Junge
- O-20 COMPLEXATION AND CHIRAL DISCRIMINATION OF ALA-PHE, ITS DERIVATIVES AND RELATED COMPOUNDS BY NATIVE AND MODIFIED CYCLODEXTRINS
Mikhail V. Rekharsky, Hatsuo Yamamura, Sayaka Demura, Yoko Ishihara, Masao Kawai, Yoshihisa Inoue

INVITED LECTURES ON WEDNESDAY MORNING, 19 MAY 2004 (9.00 h - 10.10h)

- I-09 PHASE-SOLUBILITY DIAGRAMS AND STOICHIOMETRY OF DRUG/CYCLODEXTRIN COMPLEXES
Thorsteinn Loftsson and Már Másson
- I-10 ENHANCING MECHANISM OF ORAL BIOAVAILABILITY BY CYCLODEXTRINS
Hidetoshi Arima, Fumitoshi Hirayama, Kaneto Uekama

ORAL PRESENTATIONS ON WEDNESDAY MORNING, 19 MAY 2004 (10.30h - 12.10h)

- O-21 PHARMACEUTICAL APPLICATION OF EXPERIMENTAL DESIGN : AN APPLICATION TO KNEADING PROCESS BETWEEN DRUG SUBSTANCE AND γ -CYCLODEXTRIN
Séverine Hutin
- O-22 CYCLODEXTRINS AS MODULATORS OF DRUG RELEASE IN POLYMERIC DELIVERY SYSTEMS
F. Quaglia, G. De Rosa, F. Ungaro, A. Miro, B. Cappello, M.I. La Rotonda
- O-23 CYCLODEXTRINS AND CELL-PENETRATING PEPTIDES: SYNERGISTIC ENHANCEMENT OF DRUG UPTAKE IN AN EPITHELIAL MODEL
Christina Foerg, Jimena Fernandez-Carneado, Ernest Giralt, Hans P. Merkle
- O-24 Evaluation of the pulmonary inflammation and bronchial hyperresponsiveness in healthy mice induced by inhaled cyclodextrins
M. Gueders, P. Bertholet, V. Barillaro, G. Piel, S. Henry de Hassonville, L. Delattre, D. Cataldo, B. Evrard

- O-25 BEHAVIOR OF VARIOUS CYCLODEXTRINS ON AN *IN VITRO* MODEL OF BLOOD BRAIN BARRIER: APPLICATION TO THE VECTORISATION OF DOXORUBICIN TOWARDS THE BRAIN
V. Monnaert, S. Tilloy, H. Bricout, L. Fenart, R. Cecchelli, E. Monflier

INVITED LECTURES ON WEDNESDAY AFTERNOON, 19 MAY 2004 (14.30 h -15.40 h)

- I-11 INTERACTIONS OF CYCLODEXTRINS WITH PHOSPHOLIPID-BASED ASSEMBLIES
Sylviane Lesieur
- I-12 THE DELIVERY OF NUCLEIC ACIDS VIA THE USE OF CYCLODEXTRIN-CONTAINING MATERIALS
Mark E. Davis

ORAL PRESENTATIONS ON WEDNESDAY AFTERNOON, 19 MAY 2004 (16.00 h - 17.40 h)

- O-26 MODIFIED CYCLODEXTRIN IONIC CHANNELS IN LIPID MEMBRANES
Laurent Bacri, Loïc Auvray, Abdelghani Oukhaled, Aude Plaszyński, Philippe Guéguan, Amal Ben Khaled
- O-27 INSERTION AND AGGREGATION OF CYCLODEXTRIN AT THE MEMBRANE INTERFACE
Michel Roux, Rachel Auzély - Velly, Florence Djedaini-Pilard, Stéphane Moutard, Bruno Perly
- O-28 TOWARD THE MECHANISM OF DESTABILISATION OF LIPID MEMBRANES BY METHYLATED β -CYCLODEXTRINS
Boulmedarat Laïla, Bochet Amélie, Lesieur Sylviane, Fattal Elias
- O-29 PRELIMINARY STUDY ON PREPARATION OF SPECIFIC MEMBRANES FOR CHOLESTEROL REMOVAL FROM MILK
Amalia Gordano, Francesco Trotta, Enrico Drioli
- O-30 WHY IS SO SLOW THE INCREASE IN NUMBER OF MARKETED DRUG/CD FORMULATIONS?
József Szejtli

POSTER SESSIONS

POSTERS ON MONDAY 17 MAY 2004 (12.15h - 14.30h)

Cyclodextrins and derivatives

- P-001 CYCLODEXTRIN GLUCANOTRANSFERASE FROM ALKALOPHILIC *BACILLUS CIRCULANS* B-65
Dragan Pestic, Draga Simic, Slavisa Stankovic
- P-002 CLONING AND NUCLEOTIDE SEQUENCE OF CYCLODEXTRIN GLYCOSYLTRANSFERASE GENE FROM THERMOTOLERANT *PAENIBACILLUS* BACTERIA SCREENED FROM HOT SPRING AREAS OF THAILAND
Ratiya Charoensakdi, Vichien Rimphanitchayakit, Piamsook Pongsawasdi and Tipaporn Limpaseni
- P-003 THERMOSTABLE CGTASE FROM *PAENIBACILLUS* SP. RB01 AND ITS CHEMICAL MODIFICATION WITH GLUCOMANNAN
Wanchai Yenpetch, Jarunee Kuanphibun, Masaru Iizuka, and Piamsook Pongsawasdi
- P-004 CONSTRUCTION OF A FUSED POLYCYCLIC WALL WITHIN THE CYCLODEXTRIN BELT TO ENSURE A DISTORTED CAVITY: AN UNUSUAL TRANS-DIEQUATORIAL OPENING REACTION OF CYCLODEXTRIN EPOXIDE RINGS
Makoto Fukudome, Kahee Fujita, Toshihiro Fujioka, Hideaki Shimada, Kazuko Ohta, Akitoshi Yoshino, Yuji Okabe, and De-Qi Yuan
- P-005 EFFECTIVE A,B-DISUBSTITUTION OF CYCLODEXTRINS USING A TRITYL-BASED CAPPING REAGENT
Belkacem Benmerad, Laurent Poorters, Dominique Armspach, Dominique Matt
- P-006 MECHANISM OF 2-O TO 3-O Silyl MIGRATION IN CYCLODEXTRINS
Katsunori Teranishi, Fumiko Ueno
- P-007 STUDY OF STRUCTURE PROPERTY RELATIONSHIPS IN CYCLODEXTRIN DERIVATIVES
Mary McNamara, Ciaran Potter, Noel Russell
- P-008 SOME COMMENTS ON THE SYNTHESIS OF [(2-HYDROXY-3-N,N,N-TRIMETHYLAMINO)PROPYL] CYCLODEXTRINS
Á. Szeredi, L. Jicsinszky, R. Iványi, G. Kis, C. Schoch
- P-009 MODIFICATION OF β -CYCLODEXTRIN BY HETERO-CYCLIC COMPOUNDS: INCORPORATION OF ISOINDOLO- [2,1-a]QUINAZOLINE
Zoia Voitenko, Sergiy Ryabov, Sergiy Rudyuk, Alexander Roshal
- P-010 PREPARATION AND ANALYSIS OF β -CYCLODEXTRIN CONJUGATES
Dillip K. Mohanty, Ajit Sharma, Christopher McDermid, Ankur Desai
- P-011 NEW BITTERNESS-MASKING CYCLODEXTRIN DERIVATIVES
G. Cravotto, F. Trotta, L. Costa, G.M. Nano, A. Binello
- P-012 SYNTHESIS AND CHARACTERIZATION OF NEW SULFOALKYL-ALKYL ETHER CYCLODEXTRIN DERIVATIVES

Serena Tongiani, David Vander Velde, Valentino J. Stella

- P-013 FLUORESCENT MOLECULAR SENSORY SYSTEM BASED ON BIS PYRENE-MODIFIED β - AND γ -CYCLODEXTRIN DIMERS FOR ENDOCRINE DISRUPTORS AND BIOPOLYMERS
Fumio Hamada, Masaya Toda, Nobuaki Ogawa, and Hideaki Ito
- P-014 PREPARATION AND CHARACTERIZATION OF 6¹,6², 6¹,6³ AND 6¹,6⁴-Di-O-(α -L-FUCOPYRANOSYL)- β -CYCLODEXTRINS AND STUDY OF THEIR FUNCTIONS
Toshiko Tanimoto, Yuki Nishi, Akiko Ikuta, and Chie Honda
- P-015 SYNTHESIS AND STRUCTURE DETERMINATION OF NEW CYCLODEXTRIN-AZACROWN CHIRAL RECEPTORS
Stephane Menuel Jean Pierre Joly and Alain Marsura
- P-016 SYNTHESIS OF NEW CYANO GUANIDINE β -CYCLODEXTRIN DERIVATIVES
Carine Bertolla, Lionel Pochet, Bernard Masereel
- P-017 HIGH MANNOSYL MIMETIC DERIVATIVES BASED ON β -CYCLODEXTRIN CORE
Nicolas Smiljanic, Duplex Yockot, Vincent Moreau, Florence Djedaïni-Pilard
- P-018 DUAL RECOGNITION OF THE SIALIC ACID-BRANCHED CYCLODEXTRINS WITH WGA LECTIN AND DRUG
Kenjiro Hattori, Noriyuki Yamaguchi, Hide-ki Ishida, Toshiyuki Inazu
- P-019 MONO- AND POLYFUNCTIONALISED CYCLODEXTRINS BEARING PARAMAGNETIC METAL COMPLEXES
S. Aime, A. Barge, L. Costa, G. Cravotto, E. Gianoli
- P-020 USING HPLC/ESI-MS FOR SEPARATION AND DETECTION OF LARGE-RING CYCLODEXTRINS
Anja Bogdanski, Daniel Bischoff, Kim Lambertsen Larsen, Günther Jung, Roderich Stüssmuth and Volker Schurig
- P-021 HPLC METHODS FOR ANALYSIS OF TOSYLATED CYCLODEXTRIN DERIVATIVES
Krisztina Kékési, Julianna Szemán, Katalin Csabai, L. Jicsinszky, Alexandra Hidasi
- P-022 OBTENTION OF RADIOLABELLED AMPHIPHILIC β -CYCLODEXTRIN FOR NANOPARTICLE BIODISTRIBUTION STUDIES
Tieu Lan Chau, Annabelle Gèze, Luc Choisnard, Barbara Szymonski, Amar Boutata, , Jean-Paul Mathieu, Denis Wouessidjewe
- P-023 BLACK FOAM FILMS MADE OF AMPHIPHILIC CYCLODEXTRINS: STRUCTURE AND HYDRATION
C.Sultanem, S.Moutard, J.J.Benattar, F.Djedaïni-Pilard, and B.Perly
- P-024 AMPHIPHILIC CD'S FROM NATURAL AMINO ACID: ONE STEP BEYOND TOWARDS PC AND LYSO-PC ANALOGS
Christophe Fajolles, Delphine Ferrand, Delphine Oumeddour, Alexandre Luneau, Bruno Perly, Laurent Mauclair
- P-025 AMPHIPHILIC AMMONIUM- β -CYCLODEXTRINS: NEW SUPRAMOLECULAR CARRIERS FOR MULTIPLE APPLICATIONS
Cécile Binkowski, Frédéric Hapiot, Patrick Martin, Eric Monflier
- P-026 SYNTHESIS OF NEW VECTOR FROM THIO-PERFLUORO-ALKYLATED CYCLODEXTRINS
Sandrine Péroche, Hélène Parrot-Lopez, Ghania Degobert and Hatem Fessi
- P-027 ENZYME CATALYZED SYNTHESIS OF (2-O-ALKANOYL)-CYCLODEXTRINS
Kim Lambertsen Larsen, Ninfa Rangel Pedersen, Janni Brogaard Kristensen, Guy Bauw, Raphael Darcy, Bart -Jan Ravoo, Lars Haastrup Pedersen
- P-028 SYNTHESIS OF THE INSOLUBLE CHITOSAN BEARING CYCLODEXTRIN AND ADSORPTION BEHAVIOR FOR VARIOUS PHENOLS
Nobuyoshi Aoki, Ryo Arai and Kenjiro Hattori
- P-029 CONTROL OF DEGREE OF POLYMERIZATION POLYMERIZATION WITH CYCLODEXTRIN-MULTI VINYL MONOMER
Reiko Saito, Chihiro Saegusa, Kazutaka Yamaguchi
- P-030 SYNTHESIS OF POLYSACCHARIDE DERIVATIVES WITH A BLOCK-LIKE STRUCTURE BY CATIONIC RING OPENING POLYMERISATION OF CYCLODEXTRINS
Roland Adden, Andreas Bösch, Petra Mischnick
- P-031 ASSOCIATIVE SYSTEMS OF POLYMERS OF β -CYCLODEXTRIN-CO-EPICHLORHYDRIN AND MODIFIED DEXTRAN
Noëlle Martine Gosselet, Noura Sabiri, Catherine Amiel
- P-032 NMR STUDY OF A CYCLODEXTRIN POLYMER AND ITS INCLUSION COMPLEX WITH JASMONE
Youssef Bakkour, Gaston Vermeersch, Michel Morcellet, Bernard Martel and Nathalie Azaroual
- P-033 NANO-STRUCTURING POLYMER MATERIALS WITH CYCLODEXTRIN INCLUSION COMPOUNDS
Cristian C. Rusa, Tamer Uyar, Marcus Hunt, Justin Fox, Robert Moorefield, Mariana Rusa, and Alan E. Tonelli
- P-034 NEW APPLICATIONS OF POLYMER – CYCLODEXTRIN INCLUSION COMPOUNDS

Cristian C. Rusa, Marian Gomez, Mariana Rusa, and Alan E. Tonelli

- P-035 A COMPUTATIONAL STUDY OF THE MOLECULAR RECOGNITION OF NARINGIN IN β -CYCLODEXTRIN POLYMERIC MEMBRANE
Elena Tocci, Maria Pia Perrone, Enrico Drioli
- P-036 MOLECULAR DYNAMICS SIMULATIONS OF POLY(DIMETHYL SILOXANE) INSIDE α -, β - AND γ -CYCLODEXTRIN CHANNELS
Javier Pozuelo and Francisco Mendicuti
- P-037 POLYROTAXANE FORMATION INDUCED BY ULTRASOUNDS BETWEEN NATURAL CYCLODEXTRINS AND PERFLUORINATED POLYETHERS
Gustavo González-Gaitano, José Ramón Isasi, Diego Maza, Irene Heras, Itziar Vélaz
- P-038 DESIGN AND ADVANCED CHARACTERIZATION OF POLYROTAXANES WITH CONTROLLABLE AMOUNTS OF α -CYCLODEXTRIN
Sophie Tingry, Els Eeckhout, Filip Duprez, André Deratani
- P-039 CRYSTAL STRUCTURE OF THE COMPLEX OF β -CYCLODEXTRIN WITH BITHIOPHENE AND THEIR OXIDATIVE POLYMERIZATION IN WATER
Yoshinori Takashima, Yoshihumi Oizumi, Kazuya Sakamoto, Masahiko Miyauchi, Toshikazu Hirao and Akira Harada
- P-040 SUPRAMOLECULAR POLYMERS FORMED BY CD CINNAMATE DERIVATIVES
Masahiko Miyauchi, Taiki Hoshino and Akira Harada
- P-041 SELF-ASSEMBLING CYCLODEXTRIN BASED HYDROGELS
S. Daoud-Mahamme, P. Couvreur, J. L. Grossiord, C. Amiel, R. Gref
- P-042 ASSOCIATION OF HYDROPHOBICALLY MODIFIED POLY(*N*-ISOPROPYLACRYLAMIDE) WITH POLY- β -CYCLODEXTRIN IN WATER
Véronique Wintgens and Catherine Amiel
- P-043 DIRECTED ORIENTATION OF A GUEST (METHYL ORANGE) IN PSEUDO-ROTAXANES OF β -CYCLODEXTRIN AND MULTI-CHARGED ANALOGUES IN SOLUTION
Nikolaos Mourtzis, Konstantina Yannakopoulou, Irene M. Mavridis
- P-044 SYNTHESIS ELECTROCHEMISTRY AND PHOTO-CHEMISTRY OF GUEST C_{60} IN MODIFIED CYCLODEXTRIN SELF-ASSEMBLED MONOLAYERS
Andrea McNally, Dr. T.E. Keyes, Dr. N.R. Russell
- P-045 REDOX CHARACTERIZATION OF WATER-SOLUBLE CONJUGATES CYCLODEXTRIN-FULLERENE
Lubomír Pospíšil, Magdaléna Hromadová, Salvatore Filippone, André Rassat

Inclusions

- P-046 INCLUSION COMPLEXATION OF 4-METHOXYINDOLE WITH β -CYCLODEXTRIN
Carmen Gazpio, Arantza Zornoza, Gustavo González-Gaitano, José Ramón Isasi, Cristina Martínez-Ohárriz and Itziar Vélaz
- P-047 INCLUSION COMPLEXATION OF GEMFIBROZIL WITH β -CYCLODEXTRIN IN SOLUTION AND IN THE SOLID STATE
Laura Fernández, Carmen Martín, Cristina Martínez-Ohárriz, Arantza Zornoza, Itziar Vélaz, Gustavo González-Gaitano, Miguel Sánchez
- P-048 PREPARATION AND INVESTIGATION OF INCLUSION COMPLEXES CONTAINING LIDOCAINE BASE AND β -CYCLODEXTRIN
Anita Tatai, Zoltán Aigner, István Eros and Michael Kata
- P-049 ASPECTS OF AMINO ACIDS RECOGNITION BY CYCLODEXTRINS
Elena Diacu, Lucia Mutihac and Anca Barbu
- P-050 COMPLEXATION OF APPLE ANTIOXIDANTS BY β -CYCLODEXTRIN
Emilio Alvarez-Parrilla, Laura A. de la Rosa, Francisco Torres-Rivas, Joaquín Rodrigo, Gustavo González-Aguilar
- P-051 STUDIES ON THE ALBENDAZOL/BETA-CYCLODEXTRIN INCLUSION COMPLEX
Cristiane N. Ferracini, Flavio F. de Moraes, Gisella M. Zanin, Ana A. W. Hechenleitner, and Graciette Matioli
- P-052 PREPARATION AND CHARACTERIZATION OF SULFLURAMID- β -CYCLODEXTRIN INCLUSION COMPLEX
Rita de C. Bergamasco, Gisella M. Zanin, and Flavio F. de Moraes
- P-053 SOLUBILIZATION OF A NUCLEOTIDE ANALOGUE PRODRUG BY HYDROXYPROPYL- β -CYCLODEXTRIN
Lars P. Jordheim, Ghania Degobert, Hatem Fessi, Pierre Simon, Suzanne Peyrottes, Christian Périgaud, Charles Dumontet
- P-054 IMPROVEMENT OF PHYSICAL PROPERTIES OF GEMFIBROZIL BY CYCLODEXTRIN COMPLEXATION
Hassan Bin Hassan, Zoltán Aigner, Michael Kata, István Eros

- P-055 INTERACTION OF TRIS-FERROCENYLSILANE WITH β -CYCLODEXTRIN
José A. Fernandes, Sérgio Lima, Susana S. Braga, José E. Rodríguez-Borges, Martyn Pillinger, Paulo Ribeiro-Claro, José J. C. Teixeira-Dias, Isabel S. Gonçalves
- P-056 STUDY OF INCLUSION COMPLEXATION OF NEEM OIL WITH β -CYCLODEXTRIN
M.R. Sawant, Rahul V. Mekade
- P-057 STUDY OF INCLUSION COMPLEX OF INSECTICIDE (PERMETHRIN) WITH β -CYCLODEXTRIN
M.R. Sawant, Rakesh K. Nair
- P-058 THE INTERACTION OF THIOACRIDINE DERIVATIVES WITH CYCLODEXTRINS
Irena Nemcova, Bozena Kafkova, Eva Caisová, Karel Nesmerak
- P-059 PHYSICO-CHEMICAL CHARACTERIZATION AND DISSOLUTION OF DIFFERENT CYCLODEXTRIN COMPLEXES OF FLUTAMIDE
María Garrido, Manuela Merino, M^a Dolores Veiga
- P-060 COMPLEXATION OF DICLOFENAC WITH METHYL- β -CYCLODEXTRIN AND HYDROXYPROPYL- β -CYCLODEXTRIN
Pavlos G. Klepetsanis
- P-061 INCREASE IN THE SOLUBILITY OF CAMPTOTHECIN IN CYCLODEXTRIN SOLUTIONS BY NATURAL ADDITIVES AND WATER SOLUBLE POLYMERS
Thorsteinn Thorsteinnsson, Matt Duan, Robert O'Fee, David Zembower
- P-062 SOLUBILITY IMPROVEMENTS OF TRICHLLOCARBAN IN CYCLODEXTRIN SOLUTIONS WITH NATURAL ADDITIVES AND WATER SOLUBLE POLYMERS
Thorsteinn Thorsteinnsson, Matt Duan, Ina B. Ossurardóttir, Robert O'Fee, Mar Masson, Thorsteinn Loftsson
- P-063 PREPARATION OF TRICLOSAN/CYCLODEXTRIN COMPLEXES AND THEIR AGGREGATE FORMATION
T. Loftsson, Í. B. Össurardóttir, M. Duan, M. Másson, N. Zhao
- P-064 CYCLODEXTRIN SOLUBILIZATION OF DRUGS ENHANCED WITH ORGANIC ANIONS AND CATIONS
Már Másson, Thorsteinn Loftsson, Kristján Matthíasson
- P-065 REDUCED FORMULATION BULK OF CYCLODEXTRIN COMPLEXES THROUGH ADDITION AND SUBSEQUENT REMOVAL OF VOLATILE ACIDS OR BASES
Már Másson, Thorsteinn Loftsson, Hákon Hrafn Sigurdsson, Nicolaas Schipper
- P-066 INFLUENCE OF METHYLATION ON THE INCLUSION ABILITY OF β -CYCLODEXTRIN DIMERS WITH SHORT TETHERS
Virginie Baudel, David Landy, Gheorghe Surpateanu
- P-067 INCLUSION COMPLEXATION BETWEEN THE *MENTHA X VILLOSA* HUDSON OIL AND β -CYCLODEXTRIN
Moura, Túlio Flávio
- P-068 PHYSICO-CHEMICAL STUDY OF CYCLODEXTRINS MICROENCAPSULATION IN DERMAL PREPARATIONS
Nathir Al-Rawashdeh, Mohammad Bassam Al-Bitar, Khaled Al-Sadeh
- P-069 PHYSICO-CHEMICAL AND PHARMACOLOGICAL INVESTIGATIONS ON VALDECOXIB-CYCLODEXTRIN INTERACTIONS
Rajendrakumar Kale, Pralhad Tayade
- P-070 EFFECT OF WATER SOLUBLE POLYMERS IN THE SOLUBILIZATION OF AN ANTI-ANGIOGENIC DRUG USING CYCLODEXTRINS
Rajendrakumar Kale, Pralhad Tayade
- P-071 INCLUSION COMPLEXATION OF THALIDOMIDE WITH CAPTISOL® IN SOLUTION AND IN THE SOLID STATE
Rajendrakumar Kale, Pralhad Tayade
- P-072 STUDIES ON SOLUBILISATION AND IMPROVED ANTICANCER ACTIVITY OF BIOFLAVANOID USING CYCLODEXTRIN
Rajendrakumar Kale, Pralhad Tayade
- P-073 CHANGES OF OPTICAL PROPERTIES OF MANNICH BASES BY CYCLODEXTRIN INCLUSION
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