

**2nd World Conference on Physico Chemical
Methods in Drug Discovery and Development**
September 18 - 22, 2011, Zadar, Croatia



Poster session

For poster mounting 100 cm wide x 90 cm height poster board will be provided. The posters should be mounted on Monday morning, preferably between 08:00-12:00 and removed on Wednesday.

The authors are asked to be present by their posters during Poster session on Tuesday, from 19:00 to 23:00.

Accepted poster presentations:

P01	Characterization of topical delivery systems by in vitro release and permeability testing Maja Radic, Marjana Durrigl and Biserka Cetina Čižmek, <i>PLIVA d.o.o, Croatia</i>
P02	Investigating alkyl-6-(2,5-dioxopyrrolidin-1-yl)-2-(2-oxoazepan-1-yl)hexanoates as potential transdermal penetration enhancers Katerina Brychtova, Josef Jampilek, Lenka Dvorakova, Radka Opatrilova, Jiri Dohnal, <i>University of Veterinary and Pharmaceutical Sciences, Czech Republic</i>
P03	A Chromatographic Method to determine the 1-Octanol/Water Partition Coefficient (log Po/w) of Drugs J.M. Pallicer, M. Rosés, C. Ràfols, E. Bosch, R. Pascual, C. Calvet, A. Port, <i>University of Barcelona, Spain</i>
P04	Setup and validation of a shake-flask procedure for the determination of the partition coefficient log D at pH 7.4 using less than 2 mg of drug Axel Andrés, Martí Rosés, Clara Ràfols, Elisabeth Bosch, Sonia Espinosa, Víctor Segarra, Josep M Huert, <i>University of Barcelona, Spain</i>
P05	Physico-chemical profiling of antibacterial fluoroquinolones Gábor Vizserálek, Gergely Völgyi, Kin Y. Tam*, Krisztina Takács-Novák, <i>Semmelweis University, Hungary</i>
P06	Correlation between the lipophilicity and the antioxidant activity of the parabens Trifon M. Angelov , Elena I. Korotkova, Ana Vlasenko, Unipharm <i>JSCo, Bulgaria</i>
P07	Zwitterionic characteristics of piroxicam and a novel carboxy methylated pyridoindole derivative as expressed in the retention/pH behavior on reversed phase and ion interaction HPLC Nikos Triantos, Milan Stefek, Anna Tsantili-Kakoulidou, <i>University of Athens, Greece</i>
P08	Study of pH-dependent drugs solubility in water Aneta Pobudkowska, Urszula Domańska, Aleksandra Pelczarska, <i>Warsaw University of Technology, Poland</i>
P09	Solubility – pH Profiles of Ionizable Compounds Elham Shoghi, Clara Ràfols, Elisabet Fuguet, Elisabeth Bosch, <i>University of Barcelona, Spain</i>
P10	Increasing of drugs water solubility using pectines and their derivatives Zbynek Oktabec, Josef Jampilek, Jiri Dohnal, Martin Culen, Vladimir Kral, <i>University of Veterinary and Pharmaceutical Sciences, Czech Republic</i>
P11	Development of biorelevant dissolution method for sparingly water soluble drug product with different polymorphs Jasmina Turkalj, Anamarija Tomljenović Gluhak and Biserka Cetina Čižmek, <i>PLIVA d.o.o, Croatia</i>
P12	Crystal structures and dissolution behaviour of co-crystals of meloxicam with carboxylic acids Svetlana A. Myz, Tatyana P. Shakhtshneider, Nikolay A. Tumanov, Elena V. Boldyreva, <i>Novosibirsk State University, Russia</i>
P13	Development and validation of dissolution tests and analysis methods for Cetraxate HCl capsules and Sodium picosulfate in Korean Pharamceutical Codex Juyoung Jung, Chungsik Min, Minjung Kim, Sheenhee Kim, Soonhan Kim, Dongsup Kim, Youngja Lee, Rackseon Seong, <i>Busan Regional Korea FDA, Korea</i>

P14	Validation of Analysis Method to Study the Dissolution Behavior of Acetylcysteine Capsules and Sodium Loxoprofen Tablets Raeseok Jung, Sanghyeok Sohn, Oksoon Heo, Miae Na, Minchul Kim, Wooyoung Jung, Soyoun Wang, Inkyu Kim, <i>Daejeon Regional Korea FDA, Korea</i>
P15	Development of Dissolution testing method for Sobrerol capsules in Korean pharmaceutical codex E. J. Kim, J. H. Lee, Y.M. Jung, K. H. Sohn, L. Choi, I. K. Kim, D. S. Kim, <i>Gwangju Regional Korea FDA, Korea</i>
P16	Particle characterization in the pharmaceutical industry Iva Tunjić, Biserka Cetina-Čizmek <i>PLIVA d.o.o, Croatia</i>
P17	Effect of the physico-chemical properties of materials on the properties of direct compressed bi-layer tablets Tamás Sovány, Kitti Papós, Péter Kása jr., Ilija Ilić*, Stane Srčič*, Klára Pintye-Hódi, <i>University of Szeged, Hungary</i>
P18	An investigation on the polymorphism of racemic betaxolol Teresa M. R. Maria, Ricardo A. E. Castro, António O. L. Évora, Suse S. Bebiano, M. Ramos Silva, Hugh D. Burrows, M. Luísa Ramos, Licínia L. G. Justino, João Canotilho, M. Ermelinda S. Eusébio, <i>University of Coimbra, Portugal</i>
P19	Deciphering Interactions of Macrolide Antibiotics with Membrane-Mimetics by NMR Spectroscopy Evelyne Schrank, Simone Kosol, Katarina Čuljak, Christoph Göbl, Klaus Zangger, and Predrag Novak, <i>University of Graz, Austria</i>
P20	Highly sensitive NMR system for discovery and structure elucidation of natural drug leads Masashi Tsuda and Keiko Kumagai, <i>Kochi University, Japan</i>
P21	Investigation of the Entericidins EcnA/EcnB – a membrane-bound toxin-antitoxin system Gabriel Wagner, Simone Kosol, Klaus Zangger, <i>University of Graz, Austria</i>
P22	„The role of cation - π interactions in stabilizing charged peptide residues inside of biological membranes“ Walter Hohlweg, Christoph Göbl, Klaus Zangger, <i>University of Graz, Austria</i>
P23	Interaction structure of the complex between neuroprotective factor humanin and Alzheimer’s β-amyloid peptide revealed by affinity-mass spectrometry and molecular modelling Madalina Maftai, Xiaodan Tian, Marilena Manea, Thomas E. Exner, Daniel Schwanzar, Christine A.F. von Arnim, and Michael Przybylski, <i>University of Konstanz, Germany</i>
P24	Binding parameters involved in the interactions between some acidic drugs with human and bovine serum albumin Sílvia Zarza, Clara Ràfols, Elisabeth Bosch, <i>University of Barcelona, Spain</i>
P25	Brain Tissue Binding of Drugs: evaluation and validation of solid supported porcine brain membrane vesicles (TRANSIL) as a novel high-throughput method Hinnerk Boriss, <i>Sovicell GmbH, Germany</i>
P26	Effect of chicken egg white cystatin on proliferation of cancer cells Renata Brykner, Łucja Cwynar-Zajac, Katarzyna Juszczyńska, Agnieszka Sosnowska, Krzysztof Gołąb, Jakub Gburek, Piotr Dzięgiel, Antoni Polanowski, Tadeusz Trziszka, <i>Wroclaw Medical University, Poland</i>
P27	Polyethylenimine-functionalized single-walled carbon nanotube for efficient delivery of plasmid DNA Mohammad Ramezani, Behzad Behnam, Khalil Abnous, <i>Mashhad University of Medical Sciences, Iran</i>
P28	Supercritical CO₂ extraction and large-scale separation of natural drug leads Keiko Kumagai and Masashi Tsuda, <i>Kochi University, Japan</i>
P29	Development of Analytical Method of Compounds in Drugs Using HPLC instead of UV Spectrophotometer Method JaeYong Song, SeungEun Jang, SunHoi Kim, GilBong Lee, JeaMan Lee, YongHee Kim, <i>Incheon Metropolitan City Institute of Health and Environment, Korea</i>
P30	Chromatographic characteristics of inorganic analytes in nonionic micellar liquid chromatography with ion-pair additives Nino Lominadze, Levan Akhalkatsi, Manuchar Gvaramia, Marina Rukhadze, <i>Tbilisi State University, Georgia</i>
P31	DFT Calculations on pregabalin as a pharmaceutical compound for the treatment of neuropathic pain E. Vessally, M. Rezaei, M. Saber, <i>Payame Noor University, Iran</i>
P32	Ab initio Calculations on Galantamine as a pharmaceutical compound for the treatment of Alzheimer’s Disease Maryam Motallebzadeh, Mehdi Rezaei, Esmail Vessally, <i>Payame Noor University, Iran</i>
P33	A new method of producing monoclinic paracetamol suitable for direct compression Andrey G. Ogienko, Elena V. Boldyreva, Andrey Yu. Manakov, Vladimir V. Boldyrev, Alexander S. Yunoshev, Anna A. Ogienko, Svetlana A. Myz, Alexei I. Ancharov, Andrey F. Achkasov, Tatyana N. Drebuschak, <i>Novosibirsk State University, Russia</i>
P34	Development and characterization of nateglinide loaded PLGA nanoparticles using full factorial design as optimization tool Ankur Choubey, U.K. Patil, <i>VNS Institute of Pharmacy, India</i>
P35	Herbal extracts of <i>Allium Sativum</i> inhibit growth of Monosodium Urate Monohydrate crystals in vitro Ankur Choubey, U.K. Patil, <i>VNS Institute of Pharmacy, India</i>