

2014

Articles Crystallization Systems

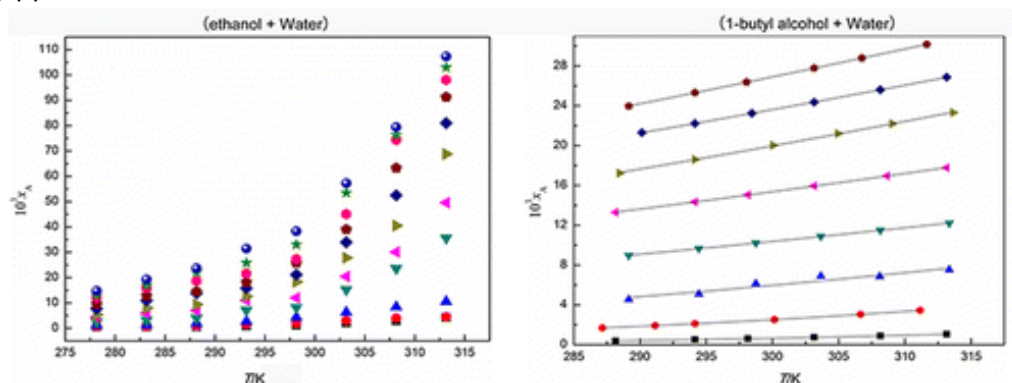


Articles Pharma Industry



12.2014

Tingting Wei, Chen Wang, Shichao Du, Songgu Wu, Jianyu Li, and Junbo Gong, **Measurement and Correlation of the Solubility of Penicillin V Potassium in Ethanol + Water and 1-Butyl Alcohol + Water Systems**, J. Chem. Eng. Data, 2015, 60 (1), pp 112–117 [Abstract](#)



11.2014

Ritzler Olaf, Mohnicke Mandy, Billen Guenter, Baumgartner Bruno, Brockelmann Martin, Nagel Norbert, SANOFI, **Crystalline forms of 2-(2-methylamino-pyrimidin-4-yl)-1H-Indole-5-carboxylic acid [(S)-1-carbamoyl-2-(phenyl-pyrimidin-2-yl-amino)-ethyl] -amide**, Patent Application, [Abstract](#)



11.2014

Joanna S. Stevens, Stephen J. Byard, Colin C. Seaton, Ghazala Sadiq, Roger J. Davey and Sven L. M. Schroeder, **Proton transfer and hydrogen bonding in the organic solid state: a combined XRD/XPS/ssNMR study of 17 organic acid–base complexes**, Phys. Chem. Chem. Phys., 2014, 16, 1150-1160 [Abstract](#)



10.2014

Jinbo Ouyang, Jingkang Wang, Xin Huang, Yuan Gao, Ying Bao, Yongli Wang, Qiuxiang Yin, and Hongxun Hao, **Gel Formation and Phase Transformation during the Crystallization of Valnemulin Hydrogen Tartrate**, Ind. Eng. Chem. Res., 2014, 53 (43), pp 16859–16863 [Abstract](#)



10.2014

Jan Holaňa, František Štěpánka, Pascal Billotc, Luděk Ridvan, **The construction, prediction and measurement of co-crystal ternary phase diagrams as a tool for solvent selection**, Volume 63, 15 October 2014, Pages 124–131 [Abstract](#)

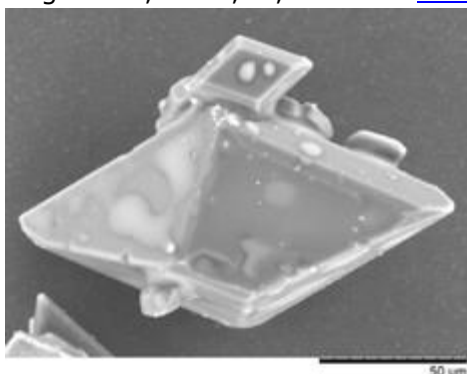
10.2014

Journals



10.2014

Diana M. Camacho Corzo, Antonia Borissova, Robert B. Hammond, Dimo Kashchiev, Kevin J. Roberts, Ken Lewtas and Iain More, **Nucleation mechanism and kinetics from the analysis of polythermal crystallisation data: methyl stearate from kerosene solutions**, *CrystEngComm*, 2014,16, 974-991 [Abstract](#)



10.2014

K. B. Smith, R. H. Bridson and G. A. Leeke, **Crystallisation control of paracetamol from ionic liquids**, *CrystEngComm*, 2014,16, 10797-10803 [Abstract](#)



09.2014

Songgu Wu, Kangli Li, Junbo Gong, **Effect of Additives on the Crystallization of Flunixin Meglumine**, BIWIC 2014, 21st International Workshop on Industrial Crystallization, September 2014 [Abstract](#)



08.2014

Robert R. Fayzullin, Heike Lorenz, Zemfira A. Bredikhina, Alexander A. Bredikhin and Andreas Seidel-Morgenstern, **Solubility and Some Crystallization Properties of Conglomerate Forming Chiral Drug Guaifenesin in Water**, *Journal of Pharmaceutical Sciences*, Volume 103, Issue 10, pages 3176-3182, October 2014 [Abstract](#)

Journals



08.2014

Yuqing Cui , Juan J. Jaramillo , Torsten Stelzer , and Allan S. Myerson, **Statistical Design of Experiment on Contact Secondary Nucleation as a Means of Creating Seed Crystals for Continuous Tubular Crystallizers**, Org. Process Res. Dev., August 28, 2014 [Abstract](#)



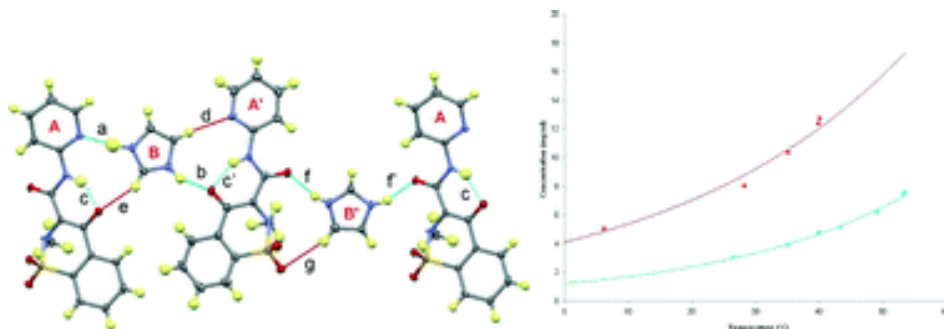
06.2014

Weiwei Tang, Zhao Wang, Ying Feng, Chuang Xie, Jingkang Wang, Chengsheng Yang, and Junbo Gong, **Experimental Determination and Computational Prediction of Androstenedione Solubility in Alcohol + Water Mixtures**, Ind. Eng. Chem. Res., 2014, 53 (28), pp 11538–11549 [Abstract](#)



05.2014

Lynne H. Thomas, Anneke R. Klapwijk, Craig Walesa and Chick C. Wilson, **Intermolecular hydrogen transfer and solubility tuning in multi-component molecular crystals of the API piroxicam**, CrystEngComm, 2014,16, 5924-5932 [Abstract](#)



05.2014

Christian von der Ehe, Christine Weber, Michael Wagner, Justyna A. Czaplewska, Michael Gottschaldt and Ulrich S. Schubert, **Synthesis of Thermoresponsive Glycopolymers Combining RAFT Polymerization, Thiol-Ene Reaction, and Subsequent Immobilization onto Solid Supports**, Macromolecular Chemistry and Physics, Volume 215, Issue 13, pages 1306–1318, July 2014 [Abstract](#)



05.2014

Kate Wittering, Josh King, Lynne H. Thomas and Chick C. Wilson, **From Evaporative to Cooling Crystallisation: An Initial Co-Crystallisation Study of Cytosine and Its Fluorinated Derivative with 4-chloro-3,5-dinitrobenzoic Acid**, Crystals 2014, 4, 123-140 [Article](#)



04.2015

M.A. Reusa, G. Hoetmera, A.E.D.M. van der Heijdena, J.H. ter Horst, **Concomitant crystallization for in situ encapsulation of organic materials**, Chemical Engineering and Processing: Process Intensification, Volume 80, June 2014, Pages 11–20 [Abstract](#)

Journals



04.2015

BVKJ Schmidt, **Novel Macromolecular Architectures via a Combination of Cyclodextrin Host/Guest Complexation and RAFT Polymerization**, Springer Theses 2014, pp 147-156 [Abstract](#)



04.2015

Robert-Jan van Putten, Jozef G. M. Winkelman, Farhad Keihan, Jan C. van der Waal, Ed de Jong, and Hero J. Heeres, **Experimental and Modeling Studies on the Solubility of d-Arabinose, d-Fructose, d-Glucose, d-Mannose, Sucrose and d-Xylose in Methanol and Methanol–Water Mixtures**, Ind. Eng. Chem. Res., 2014, 53 (19), pp 8285–8290 [Abstract](#)



3.2014

Yuhong Guo, Qiuxiang Yin, Hongxun Hao, Meijing Zhang, Ying Bao, Baohong Hou, Wei Chen, Hui Zhang, and Wenjie Cong, **Measurement and Correlation of Solubility and Dissolution Thermodynamic Properties of Furan-2-carboxylic Acid in Pure and Binary Solvents**, J. Chem. Eng. Data, 2014, 59 (4), pp 1326–1333 [Abstract](#)



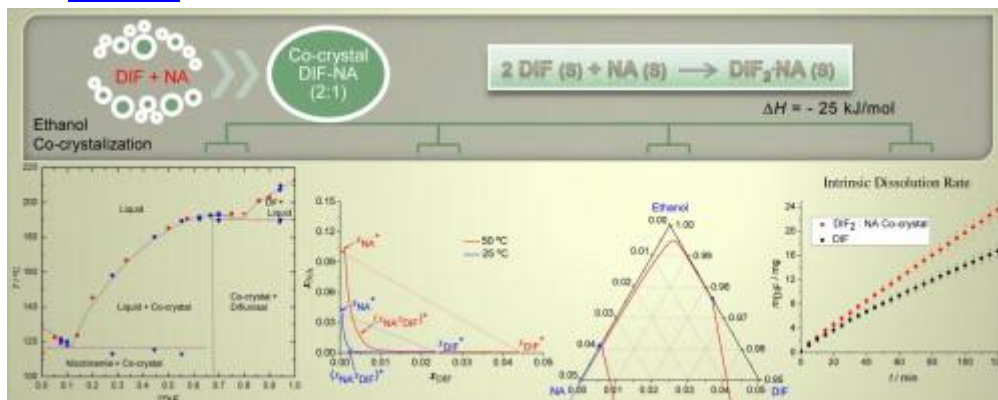
3.2014

Masatoshi Karashima, , Kouya Kimoto, Takashi Kojima, Yukihiro Ikeda, **Rational polymorph screening based on slow cooling crystallization of poorly soluble mebendazole**, Journal of Crystal Growth, Volume 390, 15 March 2014, Pages 30–37 [Abstract](#)



3.2014

António O.L. Évora, Ricardo A.E. Castro, Teresa M.R. Maria, M. Ramos Silva, , J.H. ter Horst, João Canotilho, M. Ermelinda S. Eusébio, **A thermodynamic based approach on the investigation of a diflunisal pharmaceutical co-crystal with improved intrinsic dissolution rate**, International Journal of Pharmaceutics Available online 4 March 2014 [Abstract](#)



3.2014

Lihua Zhao, Vishal Raval, Naomi Briggs, Rajni Miglani Bhardwaj, Thomas McGlone, Iain D

Journals

H Oswald and Alastair James Florence , ***From Discovery to Scale-up: α -Lipoic Acid:Nicotinamide Co-crystals in a Continuous Oscillatory Baffled Crystalliser***, CrystEngComm, 2014, Accepted Manuscript [Abstract](#)



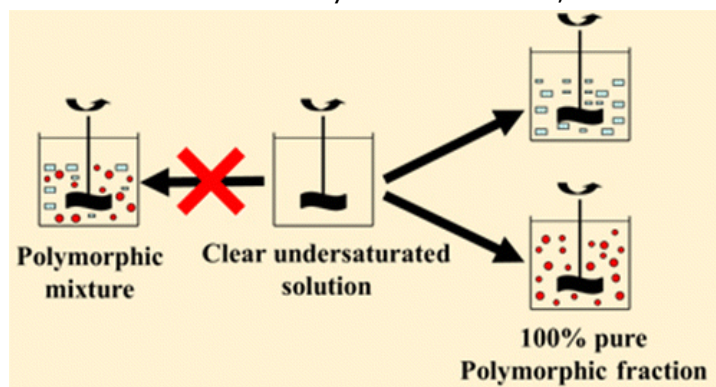
03.2014

Masatoshi Karashima, Kouya Kimoto, Takashi Kojima, Yukihiro Ikeda, ***Rational polymorph screening based on slow cooling crystallization of poorly soluble mebendazole***, Journal of Crystal Growth, 2014, volume 390, Pages 30–37 [Abstract](#)



02.2014

Samir A. Kulkarni, Hugo Meekes, and Joop H. ter Horst, ***Polymorphism Control through a Single Nucleation Event***, Cryst. Growth Des., Article ASAP [Abstract](#)



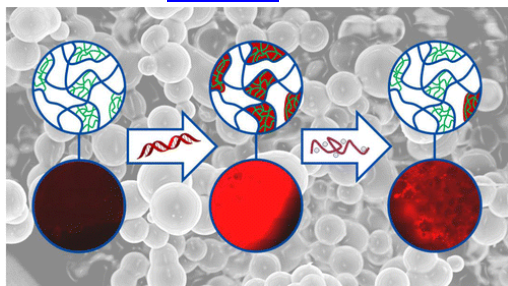
2.2014

Weiwei Tang, Chuang Xie, Zhao Wang, Songgu Wu, Ying Feng, Xuemei Wang, Jingkang Wang, Junbo Gong, ***Solubility of androstenedione in lower alcohols***, Fluid Phase Equilibria, Volume 363, 2014, Pages 86–96. [Abstract](#)



2.2014

Matthias Hartlie, David Pretzel, Christoph Englert, Martin Hentschel, Kristian Kempe, Michael Gottschaldt and Ulrich S. Schubert, ***Matrix Supported Poly(2-oxazoline)-Based Hydrogels for DNA Catch and Release***, Biomacromolecules, 2014, 15 (6), pp 1970–1978 [Abstract](#)



01.2014

Somnath Antonella Caridi, Samir A. Kulkarni, Gianluca Di Profio, Efrem Curcio and Joop

Journals

H. ter Horst, **Template-Induced Nucleation of Isonicotinamide Polymorphs**, Cryst. Growth Des., 2014. [Abstract](#)



1.2014

Diana M. Camacho Corzo, Antonia Borissova, Robert B. Hammond, Dimo Kashchiev, Kevin J. Roberts, Ken Lewtas and Iain More, **Nucleation mechanism and kinetics from the analysis of polythermal crystallisation data: methyl stearate from kerosene solutions**, CrystEngComm, 2014, **16**, 974-991 [Abstract](#)