

An unexpected advantage of insectivorism: insect moulting hormones ingested by song birds affect their ticks

Hornok Sándor - Kováts Dávid - Flaisz Barbara - Csörgő Tibor - Könczöl Árpád - Balogh György Tibor - Csorba Attila - Hunyadi Attila
Sci. Rep. 2016. 6: 23390.

Anomalous Products in the Halogenation Reactions of Vinca Alkaloids

Keglevich András - Hegedűs László - Péter Lilla - Gyenese Judit - Szántay Csaba, ifj. - Dubrovay Zsófia - Dékány Miklós - Szigetvári Áron - Martins, Ana - Molnár József - Hunyadi Attila - Keglevich Péter - Hazai László
Curr. Org. Chem. 2016. 20(24): 2639-2646.

Application of Flow Chemistry to Macrocyclization of Crown Ethers

Fődi Tamás - Kupai József - Túrós György István - Németh Tamás - Rojik Eszter - Riethmüller Eszter - Balogh György Tibor - Huszthy Péter
J. Flow Chem. 2016. 6(4): 297-301.

Assessment of distribution of pellets in tablets by non-destructive microfocus X-ray imaging and image analysis technique

Csobán Zsombor - Kállai-Szabó Barnabás - Kállai-Szabó Nikolett - Takács Tamara - Hurtony Tamás - Gordon Péter - Zelkó Romána - Antal István
Powder Technol. 2016. 301: 228-233.

ATR-FTIR and Raman spectroscopic investigation of the electroporation-mediated transdermal delivery of a nanocarrier system containing an antitumour drug

Balázs Boglárka - Sipos Péter - Danciu, Corina - Avram, Stefana - Soica, Codruta - Dehelean, Cristina - Varju Gábor - Erős Gábor - Budai-Szűcs Mária - Berkó Szilvia - Csányi Erzsébet
Biomed. Opt. Express 2016. 7(1): 67-78.

Biomimetic synthesis and HPLC-ECD analysis of the isomers of dracocephins A and B.

Ilkei Viktor - Spaits András - Prechl Anita - Szigetvári Áron - Béni Zoltán - Dékány Miklós - Szántay Csaba, ifj. - Müller Judit - Könczöl Árpád - Szappanos Ádám - Mándi Attila - Antus Sándor - Martins, Ana - Hunyadi Attila - Balogh György Tibor - Kalas György - Bölcskei Hedvig - Hazai László - Kurtán Tibor
Beilstein J. Org. Chem. 2016. 12: 2523-2534.

Blood-brain barrier specific permeability assay reveals N-methylated tyramine derivatives in standardised leaf extracts and herbal products of Ginkgo biloba

Könczöl Árpád - Rendes Kata - Dékány Miklós - Müller Judit - Riethmüller Eszter - Balogh György Tibor
J. Pharm. Biomed. Anal. 2016. 131: 167-174.

Carbopol-crospovidone interpolymers complex for pH-dependent desloratadine release

Szakonyi Gergely - Zelkó Romána
J. Pharm. Biomed. Anal. 2016. 123: 141-146.

Charting the chemical space around the (iso)indoline scaffold, a comprehensive approach towards multitarget directed ligands

Éliás Olivér - Kovács Zoltán - Wágner Gábor - Némethy Zsolt - Tarcsay Ákos - Greiner István
Bioorg. Med. Chem. Lett. 2016. 26(17): 4211-4215.

Comparison of conventional and microwave heating for evaluation of microwave effects

Bana Péter - Greiner István

Aust. J. Chem. 2016. 69(8): 865-871.

Continuous flow synthesis of heterocyclic scaffolds: Design principles of multistep systems - A review

Lövei Klára - Bana Péter - Örkényi Róbert - Túrós György István - Éles János - Novák Zoltán - Faigl Ferenc

Chim. Oggi - Chemistry Today 2016. 34(4): 18-21.

A control strategy to investigate the relationship between specific productivity and high-mannose glycoforms in CHO cells

Zalai Dénes – Hevér Helga – Lovász Krisztina – Molnár Dóra – Wechselberger, Patrick – Hofer Alexandra – Párta László – Putics Ákos – Herwig, Christoph

Appl. Microbiol. Biotechnol. 2016. 100(16): 7011-7024.

Convergence chromatographic determination of camphor in the essential oil of *Tanacetum parthenium* L.

Végh Krisztina - Riethmüller Eszter - Tóth Anita - Alberti Ágnes - Béni Szabolcs - Balla József - Kéry Ágnes

Biomed. Chromatogr. 2016. 30(12): 2031-2037.

The Effect of an Optimized Wet Milling Technology on the Crystallinity, Morphology and Dissolution Properties of Micro- and Nanonized Meloxicam

Bartos Csilla - Szabóné Révész Piroska - Bartos Csaba - Katona Gábor - Jójárt-Laczkovich Orsolya - Ambrus Rita

Molecules 2016. 21(4): 507.

Effect of water supply on growth and polyphenols of lemon balm (*Melissa officinalis* L.) and thyme (*Thymus vulgaris* L.)

Németh-Zámbori Éva - Pluhár Zsuzsanna - Szabó Krisztina - Malekzadeh, Mahmoud - Radácsi Péter - Inotai Katalin - Komáromi Bonifác - Seidler-Lozykowska, Katarzyna

Acta Biol. Hung. 2016. 67(1): 64-74.

Efficient Synthesis of Pamidronic Acid Using an Ionic Liquid Additive

Grün Alajos - Nagy Dávid Illés - Garadnay Sándor - Greiner István - Keglevich György

Lett. Drug Des. Discov. 2016. 13(6): 475-478.

Electroporation-delivered transdermal neostigmine in rats: equivalent action to intravenous administration

Berkó Szilvia - Szűcs Kálmán - Balázs Boglárka - Csányi Erzsébet - Varju Gábor - Sztojkov-Ivanov Anita - Budai-Szűcs Mária - Bóta Judit - Gáspár Róbert

Drug Des. Devel. Ther. 2016. 10: 1695-1701.

Establishment of EHMT1 mutant induced pluripotent stem cell (iPSC) line from a 11-year-old Kleefstra syndrome (KS) patient with autism and normal intellectual performance

Varga Eszter - Nemes Csilla - Táncos Zsuzsanna - Bock István - Berzsenyi Sára - Lévy György - Román Viktor - Kobolák Julianna - Dinnyés András

Stem Cell Res. 2016. 17(3): 531-533.

Evaluation of drug-carrier interactions in quaternary powder mixtures containing perindopril tert-butylamine and indapamide

Voelkel, Adam - Milczewska, Kasylda - Tezyk, Michal - Milanowski, Bartlomiej
Int. J. Pharm. 2016. 503(1-2): 29-35.

Evaluation of Radical Scavenging Activity of Sempervivum tectorum and Corylus avellana Extracts with Different Phenolic Composition

Alberti Ágnes - Riethmüller Eszter - Béni Szabolcs - Kéry Ágnes
Nat. Prod. Commun. 2016. 11(4): 469-474.

Formulation of paracetamol-containing pastilles with in situ coating technology

Katona Gábor - Szalontai Balázs - Budai-Szűcs Mária - Csányi Erzsébet - Szabóné Révész Piroska - Jójárt-Laczkovich Orsolya
Eur. J. Pharm. Sci. 2016. 95: 54-61.

Functional gene clusters and pathway associations in schizophrenia: result from a whole-exome sequencing study

Pulay A. - Koller J. - Horváth A. - Balicza Péter - Benkovits Judit - Zahuczky Gábor - Barta E. - Németh György - Urbányi Zoltán - Nagy K. - Molnár J. - Nagy L. - Réthelyi János
Eur. Neuropsychopharmacol. 2016. 26(Suppl. 2): S184; P.1.a.037.

Gymnopeptides A and B, Cyclic Octadecapeptides from the Mushroom Gymnopus fusipes

Ványolós Attila - Dékány Miklós - Kovács Bernadett - Krámos Balázs - Bérdi Péter - Zupkó István - Hohmann Judit - Béni Zoltán
Org. Lett. 2016. 18: 2688–2691

HPLC-DPPH Screening Method for Evaluation of Antioxidant Compounds in Corylus Species

Riethmüller Eszter - Könczöl Árpád - Szakál Dorottya - Végh Krisztina - Balogh György Tibor - Kéry Ágnes
Nat. Prod. Comm. 11(5): 641-644.

Impact of birth weight and smoking on lung function in patients with asthma, COPD, and healthy volunteers

Panaszek, Bernard - Pawlowicz, Robert - Lindner, Karolina - Dobek, Rafal - Panaszek, Konrad - Obojski, Andrzej - Rosinczuk, Joanna - Ichnowski, Jerzy
Adv. Clin. Exp. Med. 2016. 25(6): 1207-1213.

The influence of 5-HT_{2A} activity on a 5-HT_{2C} specific in vivo assay used for early identification of multiple acting SERT and 5-HT_{2C} receptor ligands

Éliás Olivér - Nógrádi Katalin - Domány György - Szakács Zoltán - Kóti János - Szántay Csaba, ifj. - Tarcsay Ákos - Keserű György Miklós - Gere Anikó - Kiss Béla - Kurkó Dalma - Kolok Sándor - Némethy Zsolt - Kapui Zoltán - Virághné Hellinger Éva - Vastag Mónika - Sággy Katalin - Kedves Rita - Gyertyán István
Bioorg. Med. Chem. Lett. 2016. 26(3): 914-920.

Interpretation of the Effects of Microwaves

Bana Péter - Greiner István
Milestones in Microwave Chemistry (SpringerBriefs in Molecular Science book series), 77-110 p., 2016., Springer, Heidelberg

In vitro and in silico investigation of electrospun terbinafine hydrochloride-loaded buccal nanofibrous sheets

Szabó Péter - Daróczy Tünde Beáta - Tóth Gergő - Zelkó Romána
J. Pharm. Biomed. Anal. 2016. 131: 156-159.

Investigation and Mathematical Description of the Real Driving Force of Passive Transport of Drug Molecules from Supersaturated Solutions

Borbás Enikő - Sinkó Bálint - Tsinman, Oksana - Tsinman, Konstantin - Kiserdei Éva - Démuth Balázs - Balogh Attila - Bodák Brigitta - Domokos András - Dargó Gergő - Balogh György Tibor - Nagy Zsombor Kristóf
Mol. Pharmaceutics 2016. 13(11): 3816-3826.

Investigation of heat-treated cultivation medium for mammalian cells with near-infrared spectroscopy

Szabó Éva - Párta László - Zalai Dénes - Gergely Szilveszter - Salgó András
J. Near Infrared Spectrosc. 2016. 24(4): 373-380.

Investigation of recrystallization of amorphous trehalose through hot-humidity stage X-ray powder diffraction

Jójiárt-Laczkovich Orsolya - Katona Gábor - Aigner Zoltán - Szabóné Révész Piroska
Eur. J. Pharm. Sci. 2016. 95: 145-151.

Investigation of the Efficacy of Transdermal Penetration Enhancers Through the Use of Human Skin and a Skin Mimic Artificial Membrane

Balázs Boglárka - Vizserálek Gábor - Berkó Szilvia - Budai-Szűcs Mária - Kelemen András - Sinkó Bálint - Takács-Novák Krisztina - Szabóné Révész Piroska - Csányi Erzsébet
J. Pharm. Sci. 2016. 105(3): 1134-1140.

Method development and qualification of capillary zone electrophoresis for investigation of therapeutic monoclonal antibody quality

Suba Dávid - Urbányi Zoltán - Salgó András
J. Chromatogr. B 2016. 1032: 224-229.

Modeling long-term diabetes and related complications in rats

Hajna Zsófia - Szabadfi Krisztina - Balla Zsolt - Bíró Zsolt - Degrell Péter - Molnár Gergő A. - Kőszegi Tamás - Tékus Valéria - Helyes Zsuzsanna - Dobos András - Farkas Sándor - Szűcs Gyula - Gábrriel Róbert - Pintér Erika
J. Pharmacol. Toxicol. Methods 2016. 78(March-April): 1-12.

Multi-site N-glycan mapping study 1: Capillary electrophoresis - laser induced fluorescence

Szekrényes Ákos - Park, SungAe Suhr - Santos, Marcia - Lew, Clarence - Jones, Aled - Haxo, Ted - Kimzey, Michael - Pourkaveh, Siva - Szabó Zoltán - Sobic, Zoran - Feng, Peng - Váradí Csaba - de l'Escaille, Francois - Falmagne, Jean-Bernard - Sejwal, Preeti - Niedringhaus, Thomas - Michels, David - Freckleton, Gordon - Hamm, Melissa - Manuilov, Anastasiya - Schwartz, Melissa - Luo, Jiann-Kae - van Dyck, Jonathan - Leung, Pui-King - Olajos Marcell - Gu, Yingmei - Gao, Kai - Wang, Wembo - Wegstein, Jo - Tep, Samnang - Guttman András
mAbs 2016. 8(1): 56-64.

Multicriteria optimization to evaluate the performance of Ocimum basilicum L. varieties

Sipos László - Bernhardt Botond - Gere Attila - Komáromi Bonifác - Orbán Csaba - Bernáth Jenő - Szabó Krisztina
Ind. Crops Prod. 2016. 94: 514-519.

Multinuclear NMR Studies and Spin System Analyses on Dibenzo[c,e][1,2]Oxaphosphorine 2-Oxides

Szakács Zoltán - Hagele, Gerhard - Dékány Miklós - Ábrányi-Balogh Péter - Keglevich György
Heteroatom Chem. 2016. 27(3): 158-172.

New in vitro model for proarrhythmia safety screening: IKs inhibition potentiates the QTc prolonging effect of IKr inhibitors in isolated guinea pig hearts

Kui Péter - Orosz Szabolcs - Takács Hedvig - Sarusi Annamária - Csík Norbert - Rárosi Ferenc - Csekő Csongor - Varró András - Papp Julius Gyula - Forster Tamás - Farkas Attila S. - Farkas András
J. Pharmacol. Toxicol. Methods 2016. 80(July-August): 26-34.

New P2X3 receptor antagonists. Part 1: Discovery and optimization of tricyclic compounds

Szántó Gábor - Makó Attila - Bata Imre - Farkas Bence - Kolok Sándor - Vastag Mónika - Cselenyák Attila
Bioorg. Med. Chem. Lett. 2016. 26(16): 3896-3904.

New P2X3 receptor antagonists. Part 2: Identification and SAR of quinazolinones

Szántó Gábor - Makó Attila - Vágó István - Hergert Tamás - Bata Imre - Farkas Bence - Kolok Sándor - Vastag Mónika
Bioorg. Med. Chem. Lett. 2016. 26(16): 3905-3912.

NMR, CD and UV spectroscopic studies reveal uncommon binding modes of dapoxetine to native cyclodextrins

Darcsi András - Szakács Zoltán - Zsila Ferenc - Tóth Gergő - Rácz Ákos - Béni Szabolcs
RSC Adv. 2016. 6(104): 102315-102328.

A novel and convenient method for the preparation of 5-(diphenylmethylene)-1H-pyrrol-2(5H)-ones; synthesis and mechanistic study

Faigl Ferenc - Deák Szilvia - Mucsi Zoltán - Hergert Tamás - Balázs László - Boros Sándor - Balázs Barbara - Holczbauer Tamás - Nyerges Miklós - Mátravölgyi Béla
Tetrahedron 2016. 72(35): 5444-5455.

A novel cell-based duplex high-throughput screening assay combining fluorescent Ca²⁺ measurement with homogeneous time-resolved fluorescence technology

Kiss László - Cselenyák Attila - Varga Ágnes - Visegrády András
Anal. Biochem. 2016. 507:33-39.

Overexpression of GRbeta in colonic mucosal cell line partly reflects altered gene expression in colonic mucosa of patients with inflammatory bowel disease

Nagy Zsolt - Ács Bence - Butz Henrietta - Feldman Karolina - Márta Alexa - Szabó Péter M. - Baghy Kornélia - Pázmány Tamás - Rácz Károly - Likó István - Patócs Attila
J. Steroid Biochem. Mol. Biol. 2016. 155(Part A): 76-84.

Parallel development of chromatographic and mass-spectrometric methods for quantitative analysis of glycation on an IgG1 monoclonal antibody

Viski Kornél - Gengeliczki Zsolt - Lenkey Krisztián - Baranyáné Ganzler Katalin
J. Chromatogr. B 2016. 1032: 198-204.

Phenotype-dependent Ca²⁺ dynamics in single boutons of various anatomically identified GABAergic interneurons in the rat hippocampus

Lőrincz Tibor - Kisfali Máté - Lendvai Balázs - Vizi E. Szilveszter
Eur. J. Neurosci. 2016. 43(4): 536-547.

Population-Level Correction of Systematic Motion Artifacts in fMRI in Patients with Ischemic Stroke

Aranyi Csaba - Opposits Gábor - Nagy Marianna - Berényi Ervin - Vér Csilla - Csiba László - Katona Péter - Spisák Tamás - Emri Miklós
J. Neuroimaging 2016. 27(4): 397-408.

Preparation and characterization of nanofibrous sheets for enhanced oral dissolution of nebivolol hydrochloride

Sipos Emese - Szabó Zoltán István - Rédei Emőke - Szabó Péter - Sebe István - Zelkó Romána
J. Pharm. Biomed. Anal. 2016. 129: 224-228.

Raman based feedback control of the enzymatic hydrolysis of lactose

Hirsch Edit - Pataki Hajnalka - Farkas Attila - Bata Henrik - Vas Panna - Fehér Csaba - Barta Zsolt - Párta László - Csontos István - Ballagi András - Nagy Zsombor - Marosi György János
Org. Process Res. Dev. 2016. 20(10): 1721-1727.

Recent progress in continuous and semi-continuous processing of solid oral dosage forms: A review

Tezyk, Michal - Milanowski, Bartłomiej - Ernst, Andrzej - Lulek, Janina
Drug Dev. Ind. Pharm. 2016. 42(8): 1195-1214.

Reversible Opening of Intercellular Junctions of Intestinal Epithelial and Brain Endothelial Cells with Tight Junction Modulator Peptides

Bocsik Alexandra - Walter Fruzsina R. - Gyebrovski Andrea - Fülöp Livia - Blasig, Ingolf - Dabrowski, Sebastian - Ötvös Ferenc - Tóth András - Rákhely Gábor - Veszelka Szilvia - Vastag Mónika - Szabóné Révész Piroska - Deli Mária A.
J. Pharm. Sci. 2016. 105(2): 754-765.

The role of P2X7 receptors in a rodent PCP-induced schizophrenia model

Koványi Bence - Csölle Cecília - Calovi, Stefano - Hanuska Adrienn - Kató Erzsébet - Köles László - Bhattacharya, Anindya - Haller József - Sperlágh Beáta
Sci. Rep. 2016. 6: Article number: 36680.

The Role of Solid State Characterization in the Stability Prediction of Solid Dosage Forms

Szabó Péter - Zelkó Romána - Antal István
Curr. Pharm. Des. 2016. 22(32): 5019 - 5028.

Studies on the mechanism of quaternization of the catharanthine part of vinblastine and vincristine

Keglevich Péter - Ábrányi-Balogh Péter - Szigetvári Áron - Szántay Csaba, ifj. - Hazai László
Tetrahedron Lett. 2016. 57(15): 1672-1677.

Study of the effect of formulation variables on the characteristics of combination tablets containing enalapril maleate and indapamide as active substances using experimental design

Szabó Zoltán István - Székely-Szentmiklósi Blanka - Deák Boglárka - Székely-Szentmiklósi István - Kovács Béla - Zöldi Katalin - Sipos Emese
Acta Pharm. 2016. 66(2): 191-206.

Study of paracetamol-containing pastilles produced by melt technology

Katona Gábor - Sipos Péter - Frohberg, Patrick - Ulrich, Joachim - Szabóné Révész Piroska - Jójárt-Laczkovich Orsolya
J. Therm. Anal. Calorim. 2016. 123(3): 2549-2559.

Synthesis and determination of pKa values of new enantiopure pyridino- and piperidino-18-crown-6 ethers

Kupai József - Kisszékelyi Péter - Rojik Eszter - Dargó Gergő - Hegedűs László - Bezzegh Dóra - Maszler Péter - Szabó Luca - Németh Tamás - Balogh György Tibor - Huszthy Péter
ARKIVOC 2016. 2016(4): 130-151.

Synthesis, experimental and theoretical studies on the factors influencing the pKa values of new crown ethers containing a diarylphosphonic acid unit

Szabó Tamás - Dargó Gergő - Szentjóni Hajnalka - Tóth Tünde - Krámos Balázs - Izrael Richárd - Oláh Julianna - Németh Tamás - Balogh György Tibor - Huszthy Péter
Tetrahedron 2016. 72(52): 8593-8602.

The synthesis of dronic acid derivatives in sulfolane or in the presence of ionic liquids as additives

Nagy Dávid Illés - Grün Alajos - Garadnay Sándor - Greiner István - Keglevich György
Phosphorus Sulfur Silicon Relat. Elem. 2016. 191(11-12): 1619-1620.

Synthesis of Hydroxymethylenebisphosphonic Acid Derivatives in Different Solvents

Nagy Dávid Illés - Grün Alajos - Garadnay Sándor - Greiner István - Keglevich György
Molecules 2016. 21(8): Article number 1046.

The synthesis of 3-phenylpropidronate applying phosphorus trichloride and phosphorous acid in methanesulfonic acid

Grün Alajos - Nagy Dávid Illés - Németh Orsolya - Mucsi Zoltán - Garadnay Sándor - Greiner István - Keglevich György
Curr. Org. Chem. 2016. 20(16): 1745-1752.

Targeted next generation sequencing of a panel of autism-related genes identifies an EHMT1 mutation in a Kleefstra syndrome patient with autism and normal intellectual performance

Bock István - Németh Krisztina - Pentelényi Klára - Balicza Péter - Balázs Anna - Molnár Mária Judit - Román Viktor - Nagy József - Lévy György - Kobolák Julianna - Dinnyés András
Gene 2016. 595(2): 131-141.

Theoretical study of actinide monocarbides (ThC, UC, PuC, AmC)

Pogány Péter - Kovács Attila - Visscher, Lucas - Konings, Rudy J. M.
J. Chem. Phys. 2016. 145: 244310

Usage patterns and attitudes towards emergency contraception: the International Emergency Contraception Research Initiative

Krassovics Miklós - Virágh Gabriella
Eur. J. Contracept. Reprod. Health Care 2016. 21(4): 310-317.

Utility of different outcome measures for the nitroglycerin model of migraine in mice

Farkas Sándor - Bölcskei Kata - Markovics Adrienn - Varga Anita - Kis-Varga Ágnes - Kormos Viktória - Gaszner Balázs - Horváth Csilla - Tuka Bernadett - Tajti János - Helyes Zsuzsanna
J. Pharmacol. Toxicol. Method. 2016. 77(January-February): 33-44.

4-Aryl-3-arylsulfonyl-quinolines as negative allosteric modulators of metabotropic GluR5 receptors: From HTS hit to development candidate

Galambos János - Domány György - Nógrádi Katalin - Wágner Gábor - Keserű György Miklós - Bobok Amrita Ágnes - Kolok Sándor - Mikó-Bakk Mónika L. - Vastag Mónika - Sággy Katalin - Kóti János - Szakács Zoltán - Béni Zoltán - Gál Krisztina - Szombathelyi Zsolt - Greiner István
Bioorg. Med. Chem. Lett. 2016. 26(4): 1249-1252.