

Gedeon Richter scientific publications 2020

AAPH or Peroxynitrite-Induced Biorelevant Oxidation of Methyl Caffate Yields a Potent Antitumor Metabolite

Fási Laura - Latif, Ahmed Dhadir - Zupkó István - Lévai Sándor - Dékány Miklós - Béni Zoltán - Könczöl Árpád - Balogh György Tibor - Hunyadi Attila
Biomolecules 2020. 10(11): Article number 1537.

Acute blockade of NR2C/D subunit-containing N-methyl-D-aspartate receptors modifies sleep and neural oscillations in mice

Pálfi Emese - Lévy György - Czurkó András - Lendvai Balázs - Kiss Tamás
J. Sleep Res. 2020. e13257.

Attenuated total reflection fourier transform infrared spectroscopy based methods for identification of chromatography media formulations used in downstream processes

Szabó Éva - Baranyai László Zoltán - Sütő Zoltán - Salgó András - Gergely Szilveszter
J. Pharm. Biomed. Anal. 2020. 180: 113060.

Autism spectrum disorder and social hierarchy in rats

Lévy György
Research Outreach 2020. Issue 117.

Cerebrosides and Steroids from the Edible Mushroom *Meripilus giganteus* with Antioxidant Potential

Sárközy András - Béni Zoltán - Dékány Miklós - Zomborszki Zoltán Péter - Rudolf Kinga - Papp Viktor - Hohmann Judit - Ványolós Attila
Molecules 2020. 25(6): Article number 1395.

Chronic stepwise cerebral hypoperfusion differentially induces synaptic proteome changes in the frontal cortex, occipital cortex, and hippocampus in rats

Tukacs Vanda - Mittli Dániel - Györffy Balázs András - Hunyady-Gulyás Éva - Hlatky Dávid - Tóth Vilmos - Ravasz Lilla - Medzihradszky F. Katalin - Nyitrai Gabriella - Czurkó András - Juhász Gábor - Kardos József - Kékesi Adrienna Katalin
Sci. Rep. 2020. 10(1): Article number 15999.

Comparative Physicochemical and Biological Characterisation of the Similar Biological Medicinal Product Teriparatide and Its Reference Medicinal Product

Kovács Piroska - Schäfer Tamás - Háda Viktor - Hevér Helga - Klingelhöfer, Sonja - Nebel, Merle - Stadie, Tanja - Kiss Róbert - Urbányi Zoltán
BioDrugs 2020. 34(1): 65-75.

Compatibility Study of four Binary Combinations of Active Ingredients for Dermal Film Forming Systems

Rusu, Aura - Ciurba Adriana - Birsan, Magdalena - Antonoaea, Paula - Székely-Szentmiklósi Blanka - Fülöp Ibolya - Pascu, Georgiana-Andreea - Todoran, Nicoleta
Farmacia 2020. 68(5): 800-811.

Continuous Manufacturing of Homogeneous Ultralow-Dose Granules by Twin-Screw Wet Granulation

Démuth Balázs - Fülöp Gergő - Kovács Márk - Madarász Lajos - Ficzer Máté - Köte Ákos - Szabó

Bence - Nagy Brigitta - Balogh Attila - Csorba Kristóf - Kaszás Gábor - Nagy Tibor - Bódis Attila - Marosi György János - Nagy Zsombor Kristóf
Period. Polytech., Chem. Eng. 2020. 64(4): 391-400.

Controlling receptor function from the extracellular vestibule of G-protein coupled receptors

Egyed Attila - Domány-Kovács Katalin - Koványi Bence Péter - Horti Ferenc - Kurkó Dalma - Kiss Dóra Judit - Pándy-Szekeres Gáspár - Greiner István - Keserű György Miklós
Chem. Commun. 2020. 56(91): 14167-14170.

Discovery of dihydropyrazino-benzimidazole derivatives as metabotropic glutamate receptor-2 (mGluR2) positive allosteric modulators (PAMs)

Szabó György - Kolok Sándor - Orgován Zoltán - Vastag Mónika - Béni Zoltán - Kóti János - Ságghy Katalin - Lévay György István - Greiner István - Keserű György Miklós
Eur. J. Med. Chem. 2020. 186: Article number 111881

Discovery of New Heterocyclic Ring Systems as Novel and Potent V1A Receptor Antagonists

Baska Ferenc - Szántó Gábor - Bozó Éva - Szakács Zoltán - Dékány Miklós - Szondiné Kordás Krisztina - Domány-Kovács Katalin - Kurkó Dalma - Hodoscsek Barbara - Magdó Ildikó - Krámos Balázs - Béni Zoltán - Vastag Mónika - Bata Imre
ACS Chem. Neurosci. 2020. 11(21): 3532-3540.

Disrupted Social Hierarchy in Prenatally Valproate-Exposed Autistic-Like Rats

Pelsőczy Péter - Kelemen Kristóf - Csölle Cecília - Nagy Gábor - Lendvai Balázs - Román Viktor - Lévay György
Front. Behav. Neurosci. 2020. 13: Article number 295.

Dissociating cholinergic influence on alertness and temporal attention in primates in a simple reaction-time paradigm

Oláh Vilmos - Knakker Balázs - Trunk Attila - Lendvai Balázs - Hernádi István
Eur. J. Neurosci. 2020. 52: 3776-3789.

Effect of age and renal impairment on the pharmacokinetics and safety of trimetazidine: An open-label multiple-dose study

Nenchev, Nencho - Skopek, Jiri - Arora, Deepa - Samad, Abdus - Kaplan, Sigal - Domahidy Mónika - de Voogd, Hanka - Böhmert, Stella - Ramos, Rita Silveira - Jain, Shashank
Drug Dev. Res. 2020. 81(5): 564-572.

Empathetic application of machine learning may address appropriate utilization of ART

Jenkins, Julian - van der Poel, Sheryl - Krüssel, Jan - Bosch, Ernesto - Nelson, Scott M. - Pinborg, Anja - Yao, Mylene M.W.
Reprod. Biomed. Online 2020. 41(4): 573-577.

Evolution of flow-oriented design strategies in the continuous preparation of pharmaceuticals

Fülöp Zsolt - Szemesi Péter - Bana Péter - Éles János - Greiner István
React. Chem. Eng. 2020. 5(9): 1527-1555.

Human Serum Albumin Binding in a Vial: A Novel UV-pH Titration Method To Assist Drug Design

Dargó Gergő - Bajusz Dávid - Simon Kristóf - Müller Judit - Balogh György Tibor
J. Med. Chem. 2020. 63(4): 1763-1774.

Influence of Aqueous Solubility-Enhancing Excipients on the Microstructural Characteristics of Furosemide-Loaded Electrospun Nanofibers

Kovács Andrea - Kazsoki Adrienn - Démuth Balázs - Szirányi Bernadett - Madarász János - Süvegh Károly - Zekó Romána

Pharmaceutics 2020. 12(4): Article number 385.

Measuring sociability of mice using a novel three-chamber apparatus and algorithm of the LABORASTM system

Szondiné Kordás Krisztina - Kis-Varga Ágnes - Varga Anita - Eldering, Herman - Bulthuis, Ronald J. A. - Lendvai Balázs - Lévy György - Román Viktor

J. Neurosci. Methods 2020. 343: 108841.

New V1a receptor antagonist. Part 1. Synthesis and SAR development of urea derivatives

Szántó Gábor - Makó Attila - Baska Ferenc - Bozó Éva - Domány-Kovács Katalin - Kurkó Dalma - Cselenyák Attila - Mohácsi Réka - Szondiné Kordás Krisztina - Bata Imre

Bioorg. Med. Chem. Lett. 2020. 30(18): Article number 127416.

New V1a receptor antagonist. Part 2. Identification and optimization of triazolobenzazepines

Bozó Éva - Baska Ferenc - Lövei Klára - Szántó Gábor - Domány-Kovács Katalin - Kurkó Dalma - Szondiné Kordás Krisztina - Szokoli Teodóra - Bata Imre

Bioorg. Med. Chem. Lett. 2020. 30(18): Article number 127417.

A novel, domino synthesis of tricyclic benzimidazole derivatives using continuous flow

Szabó Balázs - Szakter, Kiara - Thurner Angelika - Faigl Ferenc - Éles János - Greiner István

Period. Polytech., Chem. Eng. 2020. 64(1): 1-8.

Optimization and a Kinetic Study on the Acidic Hydrolysis of Dialkyl alpha-Hydroxybenzylphosphonates

Harsági Nikolett - Rádai Zita - Szigetvári Áron - Kóti János - Keglevich György

Molecules 2020. 25(17): 3793.

Pharmaceutical Serialization, a Global Effort to Combat Counterfeit Medicines

Pascu, Georgiana-Andreea - Hancu, Gabriel - Rusu, Aura

Acta Marisiensis - Ser. Medica 2020. 66(4): 132-139.

Preconditioning with PDE1 Inhibitors and Moderate-Intensity Training Positively Affect Systemic Redox State of Rats

Ristic, Jelena - Folic, Marko - Radonjic, Katarina - Rosic, Milenko I. - Bolevich, Sergey - Alisultanovich, Omarov Israpil - Dragicin, Nevena - Andjic, Marijana - Jeremic, Jovana - Milosavljevic, Isidora - Zivkovic, Vladimir - Jakovljevic, Vladimir

Oxid. Med. Cell. Longev. 2020: Article ID 6361703.

Qualitative risk assessment of follicle stimulating hormone injectable products

Steinke, Douglas T. - Zarroug, Osman H. - Mathur, Raj - Kendrew, Helen - Jenkins, Julian

Expert Opin. Drug Deliv. 2020. 17(11): 1647-1654.

Raman-based dynamic feeding strategies using real-time glucose concentration monitoring system during adalimumab producing CHO cell cultivation

Domján Júlia - Fricska Annamária - Madarász Lajos - Gyürkés Martin - Köte Ákos - Farkas Attila - Vass Panna - Fehér Csaba - Horváth Balázs - Könczöl Kálmán - Pataki Hajnalka - Nagy Zsombor Kristóf - Marosi György János - Hirsch Edit

Biotechnol. Prog. 2020. 36(6): e3052.

Recent advances regarding the therapeutic potential of adapalene

Rusu, Aura - Tanase, Corneliu - Pascu, Georgiana-Andreea - Todoran, Nicoleta
Pharmaceuticals 2020. 13(9): Article number 217.

Simultaneous determination of chiral and achiral impurities of ivabradine on a cellulose tris(3-chloro-4-methylphenylcarbamate) chiral column using polar organic mode

Ferencz Elek - Kovács Béla - Boda, Francisc - Foroughbakhshfasaei, Mohammadhassan - Kelemen Éva
Katalin - Tóth Gergő - Szabó Zoltán István
J. Pharm. Biomed. Anal. 2020. 177: 112851.

Single Ascending Dose Study to Assess Pharmacokinetic Linearity, Safety, and Tolerability of Trimetazidine - Modified Release in Healthy Human Subjects

Körnicker, Thomas - Arora, Deepa - Samad, Abdus - Kaplan, Sigal - Domahidy Mónika - de Voogd, Hanka - Böhmert, Stella - Ramos, Rita Silveira - Jain, Shashank
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A Study on the Rearrangement of Dialkyl 1-Aryl-1-hydroxymethylphosphonates to Benzyl Phosphates

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Curr. Org. Chem. 2020. 24(4): 465-471.

Successful Drug Discovery

Fischer János
Chemistry International - The News Magazine of IUPAC 2020. 42(3): 32-35.

Synthesis and Cytotoxic Activity of New Vindoline Derivatives Coupled to Natural and Synthetic Pharmacophores

Keglevich András - Dányi Leonetta - Rieder Alexandra - Horváth Dorottya - Szigetvári Áron - Dékány Miklós - Szántay Csaba, ifj. - Latif, Ahmed Dhadir - Hunyadi Attila - Zupkó István - Keglevich Péter - Hazai László
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Synthesis and In Vitro Anticancer Evaluation of Novel Chrysin and 7-Aminochrysin Derivatives

Mayer Szabolcs - Keglevich Péter - Ábrányi-Balogh Péter - Szigetvári Áron - Dékány Miklós - Szántay Csaba, ifj. - Hazai László
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Synthesis, Characterization and Antibacterial Activity of a New Derivative of Levofloxacin

Rusu, Aura - Imre, Silvia - Mare, Anca Delia - Lungu, Ioana-Andreea - Pascu, Georgiana-Andreea - Uivarosi, Valentina
J. Chil. Chem. Soc. 2020. 65(3): 4857-4860.

Synthesis, Fluorescence and NMR Spectroscopic Studies of a Novel Phosphinoxido-18-crown-6 Ether Containing an Anthracene Fluorophore Unit

Szabó-Szentjóni Hajnalka - Márton Anna - Pál Dávid - Dargó Gergő - Szigetvári Áron - Szántay Csaba, ifj. - Balogh György Tibor - Tóth Tünde. - Huszthy Péter
Period. Polytech., Chem. Eng. 2020. 64(1): 37-45.

Synthesis of new chiral crown ethers containing phosphine or secondary phosphine oxide units

Szabó-Szentjóni Hajnalka - Majoros István - Márton Anna - Leveles Ibolya - Vértessy G. Beáta - Dékány Miklós - Tóth Tünde - Huszthy Péter
Synthesis (Germany) 2020. 52(19): 2870-2882.

Synthesis of Spiro[cycloalkane-pyridazinones] with High Fsp3 Character

Sepsey Für Csilla - Riszter Gergő - Gerencsér János - Szigetvári Áron - Dékány Miklós - Hazai László - Keglevich György - Bölcskei Hedvig
Lett. Drug Des. Discov. 2020. 17(6): 731-744.

Two step acidic hydrolysis of dialkyl arylphosphonates

Harsági Nikoletta - Rádai Zita - Kiss Nóra Zsuzsa - Szigetvári Áron - Keglevich György
Mendeleev Communications 2020. 30(1): 38-39.

Wernicke–Korsakoff syndrome associated with mtDNA disease

Jimoh Idris János - Sebe Barbara - Balicza Péter - Fedor Mariann - Pataky Ilona - Rudas Gábor - Gál Anikó - Inczedy-Farkas Gabriella - Németh György - Molnár Mária Judit
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