

Acetylcholinesterase reactivators based on oxime-functionalized biodegradable ionic liquids

Karpichev, Yevgen; Kapitanov, Illia; Gathergood, Nicholas Military medical science letters 2018 / p. 87

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Advancement in valorization technologies to improve utilization of bio-based waste in bioeconomy context

Usmani, Zeba; Sharma, Minaxi; Karpichev, Yevgen Renewable and sustainable energy reviews 2020 / art. 109965, 16 p. : ill

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Aggregation properties of a series of novel L-phenylalanine derived surfactants

Naude, M.; Kapitanov, Illia; Gathergood, Nicholas; Karpichev, Yevgen Kyiv-Toulouse : IXth International Chemistry Conference

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Amino acid-functionalized calix[4]resorcinarene solubilization by mono- and dicationic surfactants

Zakharova, Lucia Ya.; Serdyuk, Anna A.; Mirgorodskaya, Alla B.; Karpichev, Yevgen Journal of surfactants and detergents 2016 / p.

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Antibacterial activity of of L-Phenylalanine derived ionic liquids [Online resource]

Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariliis; Kapitanov, Illia; Karpichev, Yevgen; Gathergood, Nicholas;

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Antibacterial Properties of Heteronium Lignin Containing Materials Against ESKAPE Pathogens

Mohan, Mahendra Kothottil; Bragina, Olga; Mosjakina, Sofija; Raimundo, Jean-Manuel; Karpichev, Yevgen ChemRxiv 2025

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Biobased natural deep eutectic system as versatile solvents : structure, interaction and advanced applications

Usmani, Zeba; Sharma, Minaxi; Tripathi, Manikant; Lukk, Tiit; Karpichev, Yevgen; Gathergood, Nicholas; Singh, Brahma N.;

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Biodegradability of deep eutectic solvents in treatment of pomace fruits

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Biodegradation studies of a series of dipeptide based ionic liquids and their transformation products [Online resource]

Raba, Grete; Kapitanov, Illia; Karpichev, Yevgen; Kümmerer, Klaus; Vilu, Raivo; Gathergood, Nicholas Tartu Ülikooli ASTRA

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Chloromethylation of lignin as a route to functional material with catalytic properties in cross-coupling and click reactions

Mohan, Mahendra Kothottil; Silenko, Oleg; Krasnou, Illia; Volobujeva, Olga; Kulp, Maria; Ošeka, Maksim; Lukk, Tiit;

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Chloromethylation of lignin as a route to functional material with catalytic properties in cross-coupling and click reactions : preprint

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A compared study of esterified lignin for thermoplastic applications

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Crystal structure and magnetic properties of Peacock- Weakley type polyoxometalates Na₉[Ln(W₅O₁₈)₂] (Ln = Tm, Yb):

Rare example of Tm(III) SMM

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Design of acetylcholinesterase reactivators and poly(ADP-ribose) polymerase inhibitors based on hydroxamic acids and oximes = Hüdroksaamhapetel ja oksiimidel pöhinevate atsetüülkoliinesteraasi reaktivaatorite ja polü(ADP-riboos)polümeraasi inhibiitorite disain

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Design of AChE reactivators using versatile molecular platforms and nanodiamonds

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Design of sustainable ionic liquids based on L-phenylalanine and L-alanine dipeptides : synthesis, toxicity and biodegradation studies

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Design rules for environmental biodegradability of phenylalanine alkyl ester linked ionic liquids

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Designing mineralisable building blocks for greener solvents

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Designing N-substituted arylhydroxamic acids as catalytic acetylcholinesterase reactivators

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Development of Functional Composite Cu(II)-Polyoxometalate/PLA with Antimicrobial Properties

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Direct conversion of lignin into antibacterial carbon nanomaterials without organofunctionalization

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(Eco)toxicological and Antibacterial Effects of 24 L-Phenylalanine Derived Ionic Liquids against Marine and Clinically Relevant Bacteria

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Enhanced Detection of Biological Warfare Agents Using MALDI-ToF Mass Spectrometry Integrated with Artificial Intelligence

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Hydroxamic acids as PARP-1 inhibitors : molecular design and anticancer activity of novel phenanthridinones

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New antimicrobial CU(II)-polyotungstate/polylactic acid films

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Oxime functionalized surfactants in pH-responsive mixed micellar assemblies : physicochemical properties and esterolytic reactivity

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Supramolecular systems based on novel amphiphiles and a polymer : aggregation and selective solubilization

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Surface active ionic liquids (SAILs) : to squeeze between biodegradability and toxicity constrains

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Sustainable formulations from biomass : making lignin processing greener

Sustainable ionic liquids-based molecular platforms for designing acetylcholinesterase reactivators

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Sustainable molecular platforms based on L-phenylalanine derivatives : from ionic liquids to systems for biomedical applications

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Synthesis and antibacterial properties of lignin-based amino and quaternary ammonium surfactants

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Synthesis and antimicrobial activity profiling of library of L-Phenylalanine derived ionic liquids

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