

Pavla Perlikova

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Synthesis and Significant Cytostatic Activity of 7-Hetaryl-7-deazaadenosines. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5498-5507.	6.4	101
2	Pyrrolo[2,3- <i>d</i>]pyrimidine (7-deazapurine) as a privileged scaffold in design of antitumor and antiviral nucleosides. <i>Medicinal Research Reviews</i> , 2017, 37, 1429-1460.	10.5	87
3	Synthesis, Cytostatic, Antimicrobial, and Anti-HCV Activity of 6-Substituted 7-(Het)aryl-7-deazapurine Ribonucleosides. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 1097-1110.	6.4	63
4	2-Substituted dATP Derivatives as Building Blocks for Polymerase-Catalyzed Synthesis of DNA Modified in the Minor Groove. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15856-15859.	13.8	56
5	Enzymatic synthesis of base-modified RNA by T7 RNA polymerase. A systematic study and comparison of 5-substituted pyrimidine and 7-substituted 7-deazapurine nucleoside triphosphates as substrates. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5800-5807.	2.8	34
6	Sugar-modified derivatives of cytostatic 7-(het)aryl-7-deazaadenosines: 2-C-methylribonucleosides, 2-deoxy-2-fluoroarabinonucleosides, arabinonucleosides and 2-deoxyribonucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 5202-5214.	3.0	31
7	Polymerase Synthesis and Restriction Enzyme Cleavage of DNA Containing 7-Substituted 7-Deazaguanine Nucleobases. <i>ChemBioChem</i> , 2015, 16, 2225-2236.	2.6	31
8	Cyclophosphate Pronucleotides of Cytostatic 6-(Het)aryl-7-deazapurine Ribonucleosides: Synthesis, Cytostatic Activity, and Inhibition of Adenosine Kinases. <i>ChemMedChem</i> , 2010, 5, 1386-1396.	3.2	29
9	7-(2-Thienyl)-7-Deazaadenosine (AB61), a New Potent Nucleoside Cytostatic with a Complex Mode of Action. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 922-937.	4.1	27
10	Inhibition of non-templated nucleotide addition by DNA polymerases in primer extension using twisted intercalating nucleic acid modified templates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 288-291.	2.2	26
11	Phosphoramidate pronucleotides of cytostatic 6-aryl-7-deazapurine ribonucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 229-242.	3.0	25
12	Synthesis and Cytotoxic and Antiviral Profiling of Pyrrolo- and Furo-Fused 7-Deazapurine Ribonucleosides. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9347-9359.	6.4	24
13	Unlocked Nucleic Acids with a Pyrene-Modified Uracil: Synthesis, Hybridization Studies, Fluorescent Properties and Motif Stability. <i>ChemBioChem</i> , 2014, 15, 146-156.	2.6	21
14	2-Substituted dATP Derivatives as Building Blocks for Polymerase-Catalyzed Synthesis of DNA Modified in the Minor Groove. <i>Angewandte Chemie</i> , 2016, 128, 16088-16091.	2.0	19
15	Influence of major-groove chemical modifications of DNA on transcription by bacterial RNA polymerases. <i>Nucleic Acids Research</i> , 2016, 44, 3000-3012.	14.5	19
16	6-Alkyl-, 6-aryl- or 6-hetaryl-7-deazapurine ribonucleosides as inhibitors of human or MTB adenosine kinase and potential antimycobacterial agents. <i>MedChemComm</i> , 2013, 4, 1497.	3.4	17
17	Synthesis and biological profiling of 6- or 7-(het)aryl-7-deazapurine 4-C-methylribonucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7422-7438.	3.0	15
18	Sugar-modified derivatives of cytostatic 6-(het)aryl-7-deazapurine nucleosides: 2-C-methylribonucleosides, arabinonucleosides and 2-deoxy-2-fluoroarabinonucleosides. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 957-988.	1.0	14

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19	Synthesis and Cytostatic and Antiviral Activities of 2-Deoxy-2,2-difluororibo- and 2-Deoxy-2-fluororibonucleosides Derived from 7-(Het)aryl-7-deazaadenines. ChemMedChem, 2013, 8, 832-846.	3.3	14
20	Synthesis of 2-deoxy-2-fluororibo- and 2-deoxy-2,2-difluororibonucleosides derived from 6-(het)aryl-7-deazapurines. Tetrahedron, 2012, 68, 8300-8310.	1.9	13
21	Synthesis and Cytotoxic and Antiviral Activity Profiling of All Four Isomeric Series of Pyrido-Fused 7-Deazapurine Ribonucleosides. Chemistry - A European Journal, 2020, 26, 13002-13015.	3.3	12
22	Isomeric Naphtho-Fused 7-Deazapurine Nucleosides and Nucleotides: Synthesis, Biological Activity, Photophysical Properties and Enzymatic Incorporation to Nucleic Acids. European Journal of Organic Chemistry, 2018, 2018, 5092-5108.	2.4	11
23	Bis-Pyrene-Modified Unlocked Nucleic Acids: Synthesis, Hybridization Studies, and Fluorescent Properties. ChemMedChem, 2014, 9, 2120-2127.	3.2	9
24	2-Deoxyglycoside Conjugates of Lupane Triterpenoids with High Cytotoxic Activity – Synthesis, Activity, and Pharmacokinetic Profile. Bioconjugate Chemistry, 2019, 30, 2844-2858.	3.6	9
25	6-Aryl-4-amino-pyrimido[4,5-b]indole 2-deoxyribonucleoside triphosphates (benzo-fused 7-deaza-dATP) binding study. Bioorganic and Medicinal Chemistry, 2016, 24, 4528-4535.	3.0	7
26	Synthesis and Antitrypanosomal Activity of 6-Substituted 7-Methyl-7-deazapurine Nucleosides. ACS Infectious Diseases, 2021, 7, 917-926.	3.8	4
27	Synthesis of 2,6-Substituted 7-(Het)aryl-7-deazapurine Nucleobases (2,4-Disubstituted)	1.0	3
28	Oxidative cleavage of 3-acetoxy-21-oxolup-18-en-28-oic acid by ruthenium tetroxide. Chemistry of Natural Compounds, 2010, 46, 545-548.	0.8	0