Lieve Mj Naesens

List of Publications by Year
in descending order

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242	9,559	41344	56724
papers	citations	49 h-index	83 g-index

261	261	261	7965
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Update on Human Herpesvirus 6 Biology, Clinical Features, and Therapy. Clinical Microbiology Reviews, 2005, 18, 217-245.	13.6	466
2	Differential antiherpesvirus and antiretrovirus effects of the (S) and (R) enantiomers of acyclic nucleoside phosphonates: potent and selective in vitro and in vivo antiretrovirus activities of (R)-9-(2-phosphonomethoxypropyl)-2,6-diaminopurine. Antimicrobial Agents and Chemotherapy, 1993, 37, 332-338.	3.2	333
3	Treatment of severe laryngeal papillomatosis with intralesional injections of cidofovir [(S)-1-(3-hydroxy-2-phosphonylmethoxypropyl)cytosine]. Journal of Medical Virology, 1998, 54, 219-225.	5.0	240
4	HPMPC (cidofovir), PMEA (adefovir) and Related Acyclic Nucleoside Phosphonate Analogues: A Review of their Pharmacology and Clinical Potential in the Treatment of Viral Infections. Antiviral Chemistry and Chemotherapy, 1997, 8, 1-23.	0.6	214
5	Clinical features and treatment of adenovirus infections. Reviews in Medical Virology, 2008, 18, 357-374.	8.3	210
6	9-(2-phosphonylmethoxyethyl)adenine (PMEA) effectively inhibits retrovirus replication in vitro and simian immunodeficiency virus infection in rhesus monkeys. Aids, 1991, 5, 21-28.	2.2	209
7	Marked in vivo antiretrovirus activity of 9-(2-phosphonylmethoxyethyl)adenine, a selective anti-human immunodeficiency virus agent.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 332-336.	7.1	202
8	Physicochemical characterization of solid dispersions of the antiviral agent UC-781 with polyethylene glycol 6000 and Gelucire 44/14. European Journal of Pharmaceutical Sciences, 2000, 10, 311-322.	4.0	187
9	Antiviral treatment is more effective than smallpox vaccination upon lethal monkeypox virus infection. Nature, 2006, 439, 745-748.	27.8	180
10	Antiviral agents active against human herpesviruses HHV-6, HHV-7 and HHV-8. Reviews in Medical Virology, 2001, 11, 381-395.	8.3	157
11	Adjuvant Low-Dose Cidofovir Therapy for BK Polyomavirus Interstitial Nephritis in Renal Transplant Recipients. American Journal of Transplantation, 2005, 5, 1997-2004.	4.7	157
12	Novel Inhibitors of Influenza Virus Fusion: Structure-Activity Relationship and Interaction with the Viral Hemagglutinin. Journal of Virology, 2010, 84, 4277-4288.	3.4	137
13	Antiretroviral Efficacy and Pharmacokinetics of Oral Bis(isopropyloxycarbonyloxymethyl)9-(2-Phosphonylmethoxypropyl)adenine in Mice. Antimicrobial Agents and Chemotherapy, 1998, 42, 1568-1573.	3.2	135
14	6-[2-(Phosphonomethoxy)alkoxy]pyrimidines with Antiviral Activity. Journal of Medicinal Chemistry, 2002, 45, 1918-1929.	6.4	129
15	The Influenza Virus Polymerase Complex: An Update on Its Structure, Functions, and Significance for Antiviral Drug Design. Medicinal Research Reviews, 2016, 36, 1127-1173.	10.5	129
16	Heterocyclic rimantadine analogues with antiviral activity. Bioorganic and Medicinal Chemistry, 2006, 14, 3341-3348.	3.0	109
17	Inhibition of Hypoxanthine-Guanine Phosphoribosyltransferase by Acyclic Nucleoside Phosphonates: A New Class of Antimalarial Therapeutics. Journal of Medicinal Chemistry, 2009, 52, 4391-4399.	6.4	107
18	Mechanism of anti-HIV action of masked alaninyl d4T-MP derivatives.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 7295-7299.	7.1	105

#	Article	IF	Citations
19	Antiviral activity of selected acyclic nucleoside analogues against human herpesvirus 6. Antiviral Research, 1995, 28, 343-357.	4.1	98
20	Role of Human Hypoxanthine Guanine Phosphoribosyltransferase in Activation of the Antiviral Agent T-705 (Favipiravir). Molecular Pharmacology, 2013, 84, 615-629.	2.3	94
21	Airway proteases: an emerging drug target for influenza and other respiratory virus infections. Current Opinion in Virology, 2017, 24, 16-24.	5.4	93
22	Antiviral therapy for adenovirus infections. Antiviral Research, 2006, 71, 172-180.	4.1	92
23	Emerging Antiviral Strategies to Interfere with Influenza Virus Entry. Medicinal Research Reviews, 2014, 34, 301-339.	10.5	91
24	The SARS-CoV-2 and other human coronavirus spike proteins are fine-tuned towards temperature and proteases of the human airways. PLoS Pathogens, 2021, 17, e1009500.	4.7	91
25	Role of MRP4 and MRP5 in biology and chemotherapy. AAPS PharmSci, 2002, 4, 22-30.	1.3	90
26	Design and synthesis of bioactive adamantane spiro heterocycles. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 4358-4362.	2.2	90
27	Intestinal Absorption Enhancement of the Ester Prodrug Tenofovir Disoproxil Fumarate through Modulation of the Biochemical Barrier by Defined Ester Mixtures. Drug Metabolism and Disposition, 2002, 30, 924-930.	3.3	86
28	Distinct Effects of T-705 (Favipiravir) and Ribavirin on Influenza Virus Replication and Viral RNA Synthesis. Antimicrobial Agents and Chemotherapy, 2016, 60, 6679-6691.	3.2	86
29	Quantitative analysis of human herpesvirus 6 cell tropism. Journal of Medical Virology, 2005, 75, 76-85.	5.0	84
30	Preclinical studies on thiocarboxanilide UC-781 as a virucidal agent. Aids, 1998, 12, 1129-1138.	2.2	83
31	Antiviral Activity of Triazine Analogues of 1-(S)-[3-Hydroxy-2-(phosphonomethoxy)propyl]cytosine (Cidofovir) and Related Compounds. Journal of Medicinal Chemistry, 2007, 50, 1069-1077.	6.4	79
32	Preclinical development of bicyclic nucleoside analogues as potent and selective inhibitors of varicella zoster virus. Journal of Antimicrobial Chemotherapy, 2007, 60, 1316-1330.	3.0	73
33	Potent, selective and cell-mediated inhibition of human herpesvirus 6 at an early stage of viral replication by the non-nucleoside compound CMV423. Biochemical Pharmacology, 2004, 67, 325-336.	4.4	69
34	Exploring the Size Limit of Templates for Inhibitors of the M2 Ion Channel of Influenza A Virus. Journal of Medicinal Chemistry, 2011, 54, 2646-2657.	6.4	69
35	Mutational Analysis of the Binding Pockets of the Diketo Acid Inhibitor L-742,001 in the Influenza Virus PA Endonuclease. Journal of Virology, 2013, 87, 10524-10538.	3.4	67
36	Antiviral therapies on the horizon for influenza. Current Opinion in Pharmacology, 2016, 30, 106-115.	3.5	67

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37	Phosphoramidate derivatives of d4T as inhibitors of HIV: The effect of amino acid variation. Antiviral Research, 1997, 35, 195-204.	4.1	66
38	ANTIVIRAL POTENTIAL OF A NEW GENERATION OF ACYCLIC NUCLEOSIDE PHOSPHONATES, THE 6-[2-(PHOSPHONOMETHOXY)ALKOXY]-2,4-DIAMINOPYRIMIDINES. Nucleosides, Nucleotides and Nucleic Acids, 2005, 24, 331-341.	1.1	66
39	Efficacy of (S)-1-(3-hydroxy-2-phosphonylmethoxypropyl)cytosine and 9-(1,3-dihydroxy-2-propoxymethyl)guanine for the treatment of murine cytomegalovirus infection in severe combined immunodeficiency mice. Journal of Medical Virology, 1992, 37, 67-71.	5.0	62
40	Synthesis and antiviral properties of novel indole-based thiosemicarbazides and 4-thiazolidinones. Bioorganic and Medicinal Chemistry, 2016, 24, 240-246.	3.0	62
41	ACYCLIC/CARBOCYCLIC GUANOSINE ANALOGUES AS ANTI-HERPESVIRUS AGENTS. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 271-285.	1.1	60
42	Synthesis, cytostatic and anti-HIV evaluations of the new unsaturated acyclic C-5 pyrimidine nucleoside analogues. Bioorganic and Medicinal Chemistry, 2008, 16, 5624-5634.	3.0	59
43	Acyclic Nucleoside Phosphonates Containing a Second Phosphonate Group Are Potent Inhibitors of 6-Oxopurine Phosphoribosyltransferases and Have Antimalarial Activity. Journal of Medicinal Chemistry, 2013, 56, 2513-2526.	6.4	59
44	9-(2-phosphonylmethoxyethyl)-2,6-diaminopurine (PMEDAP): A novel agent with anti-human immunodeficiency virus activity in vitro and potent anti-moloney murine sarcoma virus activity in vivo. European Journal of Clinical Microbiology and Infectious Diseases, 1989, 8, 1043-1047.	2.9	58
45	Therapeutic potential of PMEA as an antiviral drug. Reviews in Medical Virology, 1994, 4, 147-159.	8.3	57
46	Conversion of 2â€²,3â€²-dideoxyadenosine (ddA) and 2â€²,3â€²-didehydro-2â€²,3â€²-dideoxyadenosine (d4A) to their corresponding aryloxyphosphoramidate derivatives markedly potentiates their activity against human immunodeficiency virus and hepatitis B virus. FEBS Letters, 1997, 410, 324-328.	2.8	55
47	Antiviral activity of diverse classes of broad-acting agents and natural compounds in HHV-6-infected lymphoblasts. Journal of Clinical Virology, 2006, 37, S69-S75.	3.1	55
48	Anti-retrovirus activity of 9-(2-phosphonylmethoxyethyl)adenine (pmea)in vivo increases when it is less frequently administered. International Journal of Cancer, 1990, 46, 337-340.	5.1	51
49	Specific Recognition of the Bicyclic Pyrimidine Nucleoside Analogs, a New Class of Highly Potent and Selective Inhibitors of Varicella-Zoster Virus (VZV), by the VZV-Encoded Thymidine Kinase. Molecular Pharmacology, 2002, 61, 249-254.	2.3	51
50	Easily Accessible Polycyclic Amines that Inhibit the Wild-Type and Amantadine-Resistant Mutants of the M2 Channel of Influenza A Virus. Journal of Medicinal Chemistry, 2014, 57, 5738-5747.	6.4	51
51	Ester Prodrugs of Cyclic 1-(S)- [3-Hydroxy-2-(phosphonomethoxy)propyl]-5-azacytosine:â€‰ Synthesis and Antiviral Activity. Journal of Medicinal Chemistry, 2007, 50, 5765-5772.	6.4	50
52	Anti-influenza virus activity and structureâ€“activity relationship of aglycoristocetin derivatives with cyclobutenedione carrying hydrophobic chains. Antiviral Research, 2009, 82, 89-94.	4.1	49
53	Synthesis and biological evaluation of pyrimidine nucleoside monophosphate prodrugs targeted against influenza virus. Antiviral Research, 2012, 94, 35-43.	4.1	49
54	Aza-acyclic Nucleoside Phosphonates Containing a Second Phosphonate Group As Inhibitors of the Human, Plasmodium falciparum and vivax 6-Oxopurine Phosphoribosyltransferases and Their Prodrugs As Antimalarial Agents. Journal of Medicinal Chemistry, 2015, 58, 827-846.	6.4	49

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55	N-acylhydrazone inhibitors of influenza virus PA endonuclease with versatile metal binding modes. Scientific Reports, 2016, 6, 31500.	3.3	49
56	Transport, uptake, and metabolism of the bis(pivaloyloxymethyl)-ester prodrug of 9-(2-phosphonylmethoxyethyl)adenine in an in vitro cell culture system of the intestinal mucosa (Caco-2). Pharmaceutical Research, 1997, 14, 492-496.	3.5	48
57	2-chloro-3-pyridin-3-yl-5,6,7,8-tetrahydroindolizine-1-carboxamide (CMV423), a new lead compound for the treatment of human cytomegalovirus infections. Antiviral Research, 2002, 55, 413-424.	4.1	46
58	3-Azatetracyclo[5.2.1.1^{5,8}.0^{1,5}]undecane Derivatives: From Wild-Type Inhibitors of the M2 Ion Channel of Influenza A Virus to Derivatives with Potent Activity against the V27A Mutant. Journal of Medicinal Chemistry, 2013, 56, 9265-9274.	6.4	46
59	A versatile salicyl hydrazonic ligand and its metal complexes as antiviral agents. Journal of Inorganic Biochemistry, 2015, 150, 9-17.	3.5	46
60	Role of the Human Herpesvirus 6 U69-Encoded Kinase in the Phosphorylation of Ganciclovir. Molecular Pharmacology, 2002, 62, 714-721.	2.3	45
61	Design and synthesis of 1,2-annulated adamantane piperidines with anti-influenza virus activity. Bioorganic and Medicinal Chemistry, 2009, 17, 1534-1541.	3.0	44
62	Diazo Transferâ^'Click Reaction Route to New, Lipophilic Teicoplanin and Ristocetin Aglycon Derivatives with High Antibacterial and Anti-influenza Virus Activity: An Aggregation and Receptor Binding Study. Journal of Medicinal Chemistry, 2009, 52, 6053-6061.	6.4	44
63	Investigation of the salicylaldehyde thiosemicarbazone scaffold for inhibition of influenza virus PA endonuclease. Journal of Biological Inorganic Chemistry, 2015, 20, 1109-1121.	2.6	44
64	Synthesis and Biological Evaluation of Novel (thio)semicarbazone-Based Benzimidazoles as Antiviral Agents against Human Respiratory Viruses. Molecules, 2020, 25, 1487.	3.8	44
65	(R)-9-(2-phosphonylmethoxypropyl)-2,6-diaminopurine is a potent inhibitor of feline immunodeficiency virus infection. Antimicrobial Agents and Chemotherapy, 1995, 39, 746-749.	3.2	42
66	New antivirals â€" mechanism of action and resistance development. Current Opinion in Microbiology, 1998, 1, 535-546.	5.1	41
67	Antitumor Potential of Acyclic Nucleoside Phosphonates. Nucleosides & Nucleotides, 1999, 18, 759-771.	0.5	41
68	Inhibition of the Escherichia coli 6-Oxopurine Phosphoribosyltransferases by Nucleoside Phosphonates: Potential for New Antibacterial Agents. Journal of Medicinal Chemistry, 2013, 56, 6967-6984.	6.4	41
69	Treating HHV-6 Infections. , 2014, , 311-331.		40
70	Design and synthesis of novel Imidazo[2,1-b]thiazole derivatives as potent antiviral and antimycobacterial agents. Bioorganic Chemistry, 2020, 95, 103496.	4.1	40
71	Synthesis and antiviral evaluation of acyclic azanucleosides developed from sulfanilamide as a lead structure. Bioorganic and Medicinal Chemistry, 2008, 16, 8379-8389.	3.0	38
72	Metal-Chelating 2-Hydroxyphenyl Amide Pharmacophore for Inhibition of Influenza Virus Endonuclease. Molecular Pharmaceutics, 2014, 11, 304-316.	4.6	38

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73	Suboptimal Response to Adefovir Dipivoxil Therapy for Chronic Hepatitis B in Nucleoside-Naive Patients is not due to Pre-Existing Drug-Resistant Mutants. Antiviral Therapy, 2008, 13, 381-388.	1.0	38
74	6-Oxopurine Phosphoribosyltransferase: A Target for the Development of Antimalarial Drugs. Current Topics in Medicinal Chemistry, 2011, 11, 2085-2102.	2.1	36
75	First Crystal Structures of Mycobacterium tuberculosis 6-Oxopurine Phosphoribosyltransferase: Complexes with GMP and Pyrophosphate and with Acyclic Nucleoside Phosphonates Whose Prodrugs Have Antituberculosis Activity. Journal of Medicinal Chemistry, 2015, 58, 4822-4838.	6.4	36
76	Single-dose administration of 9-(2-phosphonylmethoxyethyl)adenine (PMEA) and 9-(2-phosphonylmethoxyethyl)-2,6-diaminopurine (PMEDAP) in the prophylaxis of retrovirus infection in vivo. Antiviral Research, 1991, 16, 53-64.	4.1	35
77	N6-cyclopropyl-PMEDAP: a novel derivative of 9-(2-phosphonylmethoxyethyl)-2,6-diaminopurine (PMEDAP) with distinct metabolic, antiproliferative, and differentiation-inducing properties. Biochemical Pharmacology, 1999, 58, 311-323.	4.4	35
78	Design and synthesis of bioactive 1,2-annulated adamantane derivatives. Organic and Biomolecular Chemistry, 2008, 6, 3177.	2.8	35
79	Plasmodium vivax hypoxanthine-guanine phosphoribosyltransferase: A target for anti-malarial chemotherapy. Molecular and Biochemical Parasitology, 2010, 173, 165-169.	1.1	35
80	Different Mutations in the HHV-6 DNA Polymerase Gene Accounting for Resistance to Foscarnet. Antiviral Therapy, 2007, 12, 877-888.	1.0	35
81	Treatment of Adenoviral Conjunctivitis with Topical Cidofovir. Cornea, 1996, 15, 546.	1.7	34
82	In Vitro, Ex Vivo, and In Situ Intestinal Absorption Characteristics of the Antiviral Ester Prodrug Adefovir Dipivoxil. Journal of Pharmaceutical Sciences, 2000, 89, 1054-1062.	3.3	34
83	Microwave assisted synthesis and anti-influenza virus activity of 1-adamantyl substituted N-(1-thia-4-azaspiro[4.5]decan-4-yl)carboxamide derivatives. Bioorganic and Medicinal Chemistry, 2012, 20, 7155-7159.	3.0	34
84	Influenza virus entry via the GM3 ganglioside-mediated platelet-derived growth factor receptor Î² signalling pathway. Journal of General Virology, 2019, 100, 583-601.	2.9	34
85	Synthesis and pharmacological evaluation of several ring-contracted amantadine analogs. Bioorganic and Medicinal Chemistry, 2008, 16, 9925-9936.	3.0	33
86	Synthesis and Anti-influenza A Virus Activity of 2,2-Dialkylamantadines and Related Compounds. ACS Medicinal Chemistry Letters, 2012, 3, 1065-1069.	2.8	33
87	An Integrated Biological Approach to Guide the Development of Metal-Chelating Inhibitors of Influenza Virus PA Endonuclease. Molecular Pharmacology, 2015, 87, 323-337.	2.3	33
88	Virtual Screening and Biological Validation of Novel Influenza Virus PA Endonuclease Inhibitors. ACS Medicinal Chemistry Letters, 2015, 6, 866-871.	2.8	33
89	First discovery of novel 3-hydroxy-quinazoline-2,4(1H,3H)-diones as specific anti-vaccinia and adenovirus agents via â€˜privileged scaffoldâ€™ refining approach. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5182-5186.	2.2	33
90	Efficacy of oral 9-(2-phosphonylmethoxyethyl)-2,6-diaminopurine (PMEDAP) in the treatment of retrovirus and cytomegalovirus infections in mice. Journal of Medical Virology, 1993, 39, 167-172.	5.0	32

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91	Prodrugs of the Phosphoribosylated Forms of Hydroxypyrazinecarboxamide Pseudobase T-705 and Its De-Fluoro Analogue T-1105 as Potent Influenza Virus Inhibitors. Journal of Medicinal Chemistry, 2018, 61, 6193-6210.	6.4	32
92	Hemagglutinin Cleavability, Acid Stability, and Temperature Dependence Optimize Influenza B Virus for Replication in Human Airways. Journal of Virology, 2019, 94, .	3.4	32
93	In search of effective anti-HHV-6 agents. Journal of Clinical Virology, 2006, 37, S82-S86.	3.1	31
94	Characterization of a cidofovir-resistant HHV-6 mutant obtained by in vitro selection. Antiviral Research, 2008, 77, 237-240.	4.1	31
95	Design and synthesis of bioactive adamantanaminoalcohols and adamantanamines. European Journal of Medicinal Chemistry, 2010, 45, 5022-5030.	5.5	31
96	Intracytoplasmic Trapping of Influenza Virus by a Lipophilic Derivative of Aglycoristocetin. Journal of Virology, 2012, 86, 9416-9431.	3.4	31
97	Aniline-Based Inhibitors of Influenza H1N1 Virus Acting on Hemagglutinin-Mediated Fusion. Journal of Medicinal Chemistry, 2018, 61, 98-118.	6.4	31
98	Inhibitory effects of 9-(2-Phosphonylmethoxyethyl)adenine and 3â€²-azido-2â€²,3â€²-dideoxythymidine on tumor development in mice inoculated intracerebrally with moloney murine sarcoma virus. International Journal of Cancer, 1990, 45, 486-489.	5.1	30
99	Mouse Adenovirus Type 1 Infection in SCID Mice: an Experimental Model for Antiviral Therapy of Systemic Adenovirus Infections. Antimicrobial Agents and Chemotherapy, 2005, 49, 4689-4699.	3.2	30
100	Antiviral properties of new arylsulfone derivatives with activity against human betaherpesviruses. Antiviral Research, 2006, 72, 60-67.	4.1	30
101	Synthesis of Ester Prodrugs of 9-(S)-[3-Hydroxy-2-(phosphonomethoxy)propyl]-2,6-diaminopurine (HPMPDAP) as Anti-Poxvirus Agents. Journal of Medicinal Chemistry, 2010, 53, 6825-6837.	6.4	30
102	Human herpesvirus 6 infection arrests cord blood mononuclear cells in G2phase of the cell cycle. FEBS Letters, 2004, 560, 25-29.	2.8	29
103	Application of the phosphoramidate ProTide approach to the antiviral drug ribavirin. Bioorganic and Medicinal Chemistry, 2010, 18, 2748-2755.	3.0	29
104	Alpha-carboxy nucleoside phosphonates as universal nucleoside triphosphate mimics. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3475-3480.	7.1	29
105	Antimalarial activity of prodrugs of N-branched acyclic nucleoside phosphonate inhibitors of 6-oxopurine phosphoribosyltransferases. Bioorganic and Medicinal Chemistry, 2015, 23, 5502-5510.	3.0	29
106	Phosphonates with Antiviral Activity. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 1321-1327.	1.1	28
107	Synthesis of a cluster-forming sialylthio-d-galactose fullerene conjugate and evaluation of its interaction with influenza virus hemagglutinin and neuraminidase. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2420-2423.	2.2	28
108	Host dihydrofolate reductase (DHFR)-directed cycloguanil analogues endowed with activity against influenza virus and respiratory syncytial virus. European Journal of Medicinal Chemistry, 2017, 135, 467-478.	5.5	28

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109	Evaluation of the potential of ion pair formation to improve the oral absorption of two potent antiviral compounds, AMD3100 and PMPA. International Journal of Pharmaceutics, 1999, 186, 127-136.	5.2	27
110	Synthesis and in vitro antiviral evaluation of 4-substituted 3,4-dihydropyrimidinones. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 139-142.	2.2	27
111	Chelation Motifs Affecting Metal-dependent Viral Enzymes: Nâ€²-acylhydrazone Ligands as Dual Target Inhibitors of HIV-1 Integrase and Reverse Transcriptase Ribonuclease H Domain. Frontiers in Microbiology, 2017, 8, 440.	3.5	27
112	Inhibition of the in vitro growth of Plasmodium falciparum by acyclic nucleoside phosphonates. International Journal of Antimicrobial Agents, 1999, 12, 53-61.	2.5	26
113	Human herpesvirus 6 DNA polymerase: enzymatic parameters, sensitivity to ganciclovir and determination of the role of the A961V mutation in HHV-6 ganciclovir resistance. Antiviral Research, 2004, 64, 17-25.	4.1	26
114	(S)â€9â€(3â€hydroxyâ€2â€phosphonylmethoxypropyl)adenine [(S)â€HPMPA]: a purine analogue with trypanocidal activity in vitro and in vivo. Tropical Medicine and International Health, 1996, 1, 255-263.	2.3	26
115	Role of the viral hemagglutinin in the anti-influenza virus activity of newly synthesized polycyclic amine compounds. Antiviral Research, 2013, 99, 281-291.	4.1	26
116	Betulonic Acid Derivatives Interfering with Human Coronavirus 229E Replication via the nsp15 Endoribonuclease. Journal of Medicinal Chemistry, 2021, 64, 5632-5644.	6.4	26
117	Therapeutic Potential of HPMPC (Cidofovir), PMEA (Adefovir) and Related Acyclic Nucleoside Phosphonate Analogues as Broad-Spectrum Anttviral Agents. Nucleosides & Nucleotides, 1997, 16, 983-992.	0.5	25
118	Cell line-dependent activation and antiviral activity of T-1105, the non-fluorinated analogue of T-705 (favipiravir). Antiviral Research, 2019, 167, 1-5.	4.1	25
119	Intestinal absorption characteristics of the low solubility thiocarboxanilide UC-781. International Journal of Pharmaceutics, 2002, 234, 113-119.	5.2	24
120	Novel indoleâ€“flutimide heterocycles with activity against influenza PA endonuclease and hepatitis C virus. MedChemComm, 2016, 7, 447-456.	3.4	24
121	Inhibition of intestinal metabolism of the antiviral ester prodrug bis(POC)-PMPA by nature-identical fruit extracts as a strategy to enhance its oral absorption: an in vitro study. Pharmaceutical Research, 1999, 16, 1035-1040.	3.5	23
122	Alkoxyâ€5â€nitrosopyrimidines: Useful Building Block for the Generation of Biologically Active Compounds. European Journal of Organic Chemistry, 2010, 2010, 3823-3830.	2.4	23
123	Semisynthetic teicoplanin derivatives as new influenza virus binding inhibitors: Synthesis and antiviral studies. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3251-3254.	2.2	23
124	Azapropellanes with Anti-Influenza A Virus Activity. ACS Medicinal Chemistry Letters, 2014, 5, 831-836.	2.8	23
125	Carrier mechanisms involved in the transepithelial transport of bis(POM)-PMEA and its metabolites across Caco-2 monolayers. Pharmaceutical Research, 1998, 15, 1168-1173.	3.5	22
126	Efficacy of the Acyclic Nucleoside Phosphonates(S)-9-(3-Fluoro-2-Phosphonylmethoxypropyl)Adenine (FPMPA) and 9-(2-Phosphonylmethoxyethyl)Adenine (PMEA) Against Feline Immunodeficiency Virus. Journal of Acquired Immune Deficiency Syndromes, 1998, 17, 120-128.	0.3	22

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127	4â€²â€²-Benzoylureido-TSAO Derivatives as Potent and Selective Non-Nucleoside HCMV Inhibitors. Structureâ”Activity Relationship and Mechanism of Antiviral Action. Journal of Medicinal Chemistry, 2008, 51, 5823-5832.	6.4	22
128	Synthesis and pharmacological evaluation of (2-oxaadamant-1-yl)amines. Bioorganic and Medicinal Chemistry, 2009, 17, 3198-3206.	3.0	22
129	Design of Plasmodium vivax Hypoxanthine-Guanine Phosphoribosyltransferase Inhibitors as Potential Antimalarial Therapeutics. ACS Chemical Biology, 2018, 13, 82-90.	3.4	22
130	Design, synthesis, antitubercular and antiviral properties of new spirocyclic indole derivatives. Monatshefte FÃ¼r Chemie, 2019, 150, 1533-1544.	1.8	22
131	Intracellular metabolism of the new antiviral compound 1-(S)-[3-hydroxy-2-(phosphonomethoxy)propyl]-5-azacytosine. Biochemical Pharmacology, 2008, 76, 997-1005.	4.4	21
132	Antiretroviral activity of metal-chelating HIV-1 integrase inhibitors. European Journal of Medicinal Chemistry, 2014, 83, 594-600.	5.5	21
133	Synthesis and biological evaluation of lipophilic teicoplanin pseudoaglycon derivatives containing a substituted triazole function. Journal of Antibiotics, 2017, 70, 152-157.	2.0	21
134	Inhibitory effect of 9-(2-phosphonylmethoxyethyl)adenine on visna virus infection in lambs: a model for in vivo testing of candidate anti-human immunodeficiency virus drugs.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 3283-3287.	7.1	20
135	Slow but Steady Wins the Race: Dissimilarities among New Dual Inhibitors of the Wild-Type and the V27A Mutant M2 Channels of Influenza A Virus. Journal of Medicinal Chemistry, 2017, 60, 3727-3738.	6.4	20
136	Synthesis and evaluation of symmetric acyclic nucleoside bisphosphonates as inhibitors of the Plasmodium falciparum, Plasmodium vivax and human 6-oxopurine phosphoribosyltransferases and the antimalarial activity of their prodrugs. Bioorganic and Medicinal Chemistry, 2017, 25, 4008-4030.	3.0	20
137	Superior inhibition of influenza virus hemagglutinin-mediated fusion by indole-substituted spirothiazolidinones. Bioorganic and Medicinal Chemistry, 2020, 28, 115130.	3.0	20
138	Early oseltamivir reduces risk for influenza-associated aspergillosis in a double-hit murine model. Virulence, 2021, 12, 2493-2508.	4.4	20
139	Modified Cyclodextrin Sulphates(mCDS11) have Potent Inhibitory Activity against HIV and High Oral Bioavailability. Antiviral Chemistry and Chemotherapy, 1994, 5, 155-161.	0.6	19
140	In vivo Antiretroviral Efficacy of Oral bis(POM)-PMEA, the bis(Pivaloyloxymethyl)prodrug of 9-(2-Phosphonylmethoxyethyl) adenine (PMEA). Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 767-770.	1.1	19
141	Click reaction synthesis of carbohydrate derivatives from ristocetin aglycon with antibacterial and antiviral activity. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2713-2717.	2.2	19
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