Mark Cushman

List of Publications by Year
in descending order

145 papers	6,912 citations	43973 48 h-index	74018 75 g-index
145 all docs	145 docs citations	145 times ranked	5869 citing authors

#	Article	IF	Citations
1	Design and synthesis of novel macrolones bridged with linkers from 11,12-positions of macrolides. Bioorganic and Medicinal Chemistry Letters, 2022, 68, 128761.	1.0	3
2	Design and Synthesis of Indenoisoquinolines Targeting Topoisomerase I and Other Biological Macromolecules for Cancer Chemotherapy. Journal of Medicinal Chemistry, 2021, 64, 17572-17600.	2.9	13
3	Design, synthesis and structure-activity relationships of novel 15-membered macrolides: Quinolone/quinoline-containing sidechains tethered to the C-6 position of azithromycin acylides. European Journal of Medicinal Chemistry, 2020, 193, 112222.	2.6	18
4	Antiparasitic effect of synthetic aromathecins on Leishmania infantum. BMC Veterinary Research, 2019, 15, 405.	0.7	3
5	Topoisomerase IB poisons induce histone H2A phosphorylation as a response to DNA damage in Leishmania infantum. International Journal for Parasitology: Drugs and Drug Resistance, 2019, 11, 39-48.	1.4	6
6	Indenoisoquinoline Topoisomerase Inhibitors Strongly Bind and Stabilize the MYC Promoter G-Quadruplex and Downregulate MYC. Journal of the American Chemical Society, 2019, 141, 11059-11070.	6.6	66
7	Synthesis and structure-bactericidal activity relationships of non-ketolides: 9-Oxime clarithromycin 11,12-cyclic carbonate featured with three-to eight-atom-length spacers at 3-OH. European Journal of Medicinal Chemistry, 2019, 171, 235-254.	2.6	8
8	Design, synthesis and structure-activity relationships of novel macrolones: Hybrids of 2-fluoro 9-oxime ketolides and carbamoyl quinolones with highly improved activity against resistant pathogens. European Journal of Medicinal Chemistry, 2019, 169, 1-20.	2.6	11
9	Ligand-free, palladacycle-facilitated Suzuki coupling of hindered 2-arylbenzothiazole derivatives yields potent and selective COX-2 inhibitors. Organic and Biomolecular Chemistry, 2018, 16, 108-118.	1.5	9
10	Application of Sequential Palladium Catalysis for the Discovery of Janus Kinase Inhibitors in the Benzo[c]pyrrolo[2,3-h][1,6]naphthyridin-5-one (BPN) Series. Journal of Medicinal Chemistry, 2018, 61, 10440-10462.	2.9	14
11	Activity of Aromathecins against African Trypanosomes. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	4
12	Novel Fluoroindenoisoquinoline Non-Camptothecin Topoisomerase I Inhibitors. Molecular Cancer Therapeutics, 2018, 17, 1694-1704.	1.9	30
13	Synthesis of Benzo[1,6]naphthyridinones Using the Catellani Reaction. Organic Letters, 2018, 20, 5228-5232.	2.4	24
14	Characterization and structure-activity relationships of indenoisoquinoline-derived topoisomerase I inhibitors in unsilencing the dormant Ube3a gene associated with Angelman syndrome. Molecular Autism, 2018, 9, 45.	2.6	28
15	Novel clinical indenoisoquinoline topoisomerase I inhibitors: a twist around the camptothecins. Oncotarget, 2018, 9, 37286-37288.	0.8	19
16	The Effects of Resveratrol and Its Analogues on the Sirt5-GLS Axis-Mediated Glutamine Metabolic Reprogramming in Cancer Cells. , 2018, , 159-182.		0
17	Design, synthesis and structure-bactericidal activity relationships of novel 9-oxime ketolides and reductive epimers of acylides. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1513-1524.	1.0	10
18	Synthesis and Biological Evaluation of the First Triple Inhibitors of Human Topoisomerase 1, Tyrosylâ€“DNA Phosphodiesterase 1 (Tdp1), and Tyrosylâ€“DNA Phosphodiesterase 2 (Tdp2). Journal of Medicinal Chemistry, 2017, 60, 3275-3288.	2.9	43

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19	Discovery of efficient stimulators for adult hippocampal neurogenesis based on scaffolds in dragon's blood. European Journal of Medicinal Chemistry, 2017, 136, 382-392.	2.6	21
20	Design and Synthesis of Chlorinated and Fluorinated 7-Azaindenoisoquinolines as Potent Cytotoxic Anticancer Agents That Inhibit Topoisomerase I. Journal of Medicinal Chemistry, 2017, 60, 5364-5376.	2.9	29
21	Phase I study of indenoisoquinolines LMP776 in adults with relapsed solid tumors and lymphomas.. Journal of Clinical Oncology, 2017, 35, 2558-2558.	0.8	9
22	Systematic evaluation of methyl ester bioisosteres in the context of developing alkenyldiarylmethanes (ADAMs) as non-nucleoside reverse transcriptase inhibitors (NNRTIs) for anti-HIV-1 chemotherapy. Bioorganic and Medicinal Chemistry, 2016, 24, 3006-3022.	1.4	8
23	Investigation of the Structureâ€“Activity Relationships of Aza-A-Ring Indenoisoquinoline Topoisomerase I Poisons. Journal of Medicinal Chemistry, 2016, 59, 3840-3853.	2.9	35
24	Design, Synthesis, and Biological Evaluation of Potential Prodrugs Related to the Experimental Anticancer Agent Indotecan (LMP400). Journal of Medicinal Chemistry, 2016, 59, 4890-4899.	2.9	42
25	A new Suzuki synthesis of triphenylethylenes that inhibit aromatase and bind to estrogen receptors Î± and Î². Bioorganic and Medicinal Chemistry, 2016, 24, 5400-5409.	1.4	16
26	Synthesis of indolo[4,3-bc]phenanthridine-6,11(2H,12H)-diones using the schiff baseâ€“homophthalic anhydride cyclization reaction. Synthetic Communications, 2016, 46, 1902-1908.	1.1	6
27	Oneâ€Step Synthetic Access to Isosteric and Potent Anticancer Nitrogen Heterocycles with the Benzo[c]phenanthridine Scaffold. Chemistry - A European Journal, 2016, 22, 8301-8308.	1.7	7
28	Synthesis and biological evaluation of new fluorinated and chlorinated indenoisoquinoline topoisomerase I poisons. Bioorganic and Medicinal Chemistry, 2016, 24, 1469-1479.	1.4	22
29	Synthesis of Triphenylethylene Bisphenols as Aromatase Inhibitors That Also Modulate Estrogen Receptors. Journal of Medicinal Chemistry, 2016, 59, 157-170.	2.9	23
30	Antibacterial Characterization of Novel Synthetic Thiazole Compounds against Methicillin-Resistant Staphylococcus pseudintermedius. PLoS ONE, 2015, 10, e0130385.	1.1	50
31	Antibacterial Evaluation of Synthetic Thiazole Compounds In Vitro and In Vivo in a Methicillin-Resistant Staphylococcus aureus (MRSA) Skin Infection Mouse Model. PLoS ONE, 2015, 10, e0142321.	1.1	37
32	Synthesis and antibacterial evaluation of a novel series of synthetic phenylthiazole compounds against methicillin-resistant Staphylococcus aureus (MRSA). European Journal of Medicinal Chemistry, 2015, 94, 306-316.	2.6	75
33	Design and Synthesis of Norendoxifen Analogues with Dual Aromatase Inhibitory and Estrogen Receptor Modulatory Activities. Journal of Medicinal Chemistry, 2015, 58, 2623-2648.	2.9	33
34	Discovery of Potent Indenoisoquinoline Topoisomerase I Poisons Lacking the 3-Nitro Toxicophore. Journal of Medicinal Chemistry, 2015, 58, 3997-4015.	2.9	40
35	Synthesis and Biological Evaluation of Nitrated 7-, 8-, 9-, and 10-Hydroxyindenoisoquinolines as Potential Dual Topoisomerase I (Top1)â€“Tyrosyl-DNA Phosphodiesterase I (TDP1) Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 3188-3208.	2.9	50
36	DUPA Conjugation of a Cytotoxic Indenoisoquinoline Topoisomerase I Inhibitor for Selective Prostate Cancer Cell Targeting. Journal of Medicinal Chemistry, 2015, 58, 3094-3103.	2.9	41

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37	A Resveratrol Analogue Promotes ERK^{MAPK}â€“Dependent Stat3 Serine and Tyrosine Phosphorylation Alterations and Antitumor Effects In Vitro against Human Tumor Cells. Molecular Pharmacology, 2015, 88, 524-533.	1.0	24
38	Synthesis and structureâ€“activity relationships of novel 9-oxime acylides with improved bactericidal activity. Bioorganic and Medicinal Chemistry, 2015, 23, 6437-6453.	1.4	12
39	Anti-biofilm activity and synergism of novel thiazole compounds with glycopeptide antibiotics against multidrug-resistant Staphylococci. Journal of Antibiotics, 2015, 68, 259-266.	1.0	73
40	Synthesis of 3-(3-aryl-pyrrolidin-1-yl)-5-aryl-1,2,4-triazines that have antibacterial activity and also inhibit inorganic pyrophosphatase. Bioorganic and Medicinal Chemistry, 2014, 22, 406-418.	1.4	32
41	Discovery and Characterization of Potent Thiazoles versus Methicillin- and Vancomycin-Resistant Staphylococcus aureus. Journal of Medicinal Chemistry, 2014, 57, 1609-1615.	2.9	91
42	Optimization of the Lactam Side Chain of 7-Azaindenoisoquinoline Topoisomerase I Inhibitors and Mechanism of Action Studies in Cancer Cells. Journal of Medicinal Chemistry, 2014, 57, 1289-1298.	2.9	37
43	Synthesis and Biological Evaluation of New Carbohydrate-Substituted Indenoisoquinoline Topoisomerase I Inhibitors and Improved Syntheses of the Experimental Anticancer Agents Indotecan (LMP400) and Indimitecan (LMP776). Journal of Medicinal Chemistry, 2014, 57, 1495-1512.	2.9	58
44	Design, Synthesis, and Biological Evaluation of O-2-Modified Indenoisoquinolines as Dual Topoisomerase Iâ€“Tyrosyl-DNA Phosphodiesterase I Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 4324-4336.	2.9	32
45	Synthesis and Biological Evaluation of Indenoisoquinolines That Inhibit Both Tyrosyl-DNA Phosphodiesterase I (Tdp1) and Topoisomerase I (Top1). Journal of Medicinal Chemistry, 2013, 56, 182-200.	2.9	65
46	Design, Synthesis, and Biological Evaluation of Indenoisoquinoline Rexinoids with Chemopreventive Potential. Journal of Medicinal Chemistry, 2013, 56, 2581-2605.	2.9	22
47	Synthesis of Mixed (E,Z)-, (E)-, and (Z)-Norendoxifen with Dual Aromatase Inhibitory and Estrogen Receptor Modulatory Activities. Journal of Medicinal Chemistry, 2013, 56, 4611-4618.	2.9	44
48	Synthesis and antibacterial activity of 9-oxime ether non-ketolides, and novel binding mode of alkylides with bacterial rRNA. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1387-1393.	1.0	17
49	Synthesis, antibacterial activity and docking of 14-membered 9-O-(3-arylalkyl) oxime 11,12-cyclic carbonate ketolides. European Journal of Medicinal Chemistry, 2013, 59, 54-63.	2.6	14
50	Inhibition of Cytochrome P450 Enzymes by the E- and Z-Isomers of Norendoxifen. Drug Metabolism and Disposition, 2013, 41, 1715-1720.	1.7	15
51	Solvent Dependency of the UV-Vis Spectrum of Indenoisoquinolines: Role of Keto-Oxygens as Polarity Interaction Probes. PLoS ONE, 2013, 8, e73881.	1.1	4
52	Indotecan (LMP400) and AM13-55: Two Novel Indenoisoquinolines Show Potential for Treating Visceral Leishmaniasis. Antimicrobial Agents and Chemotherapy, 2012, 56, 5264-5270.	1.4	47
53	Identification, Synthesis, and Biological Evaluation of Metabolites of the Experimental Cancer Treatment Drugs Indotecan (LMP400) and Indimitecan (LMP776) and Investigation of Isomerically Hydroxylated Indenoisoquinoline Analogues as Topoisomerase I Poisons. Journal of Medicinal Chemistry, 2012, 55, 10844-10862.	2.9	48
54	Optimization of thiazole analogues of resveratrol for induction of NAD(P)H:quinone reductase 1 (QR1). Bioorganic and Medicinal Chemistry, 2012, 20, 7030-7039.	1.4	26

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55	Identification, Synthesis, and Biological Evaluation of the Metabolites of 3-Amino-6-(3â€²-aminopropyl)-5H-indeno[1,2-c]isoquinoline-5,11-(6H)dione (AM6â€“36), a Promising Rexinoid Lead Compound for the Development of Cancer Chemotherapeutic and Chemopreventive Agents. Journal of Medicinal Chemistry, 2012, 55, 5965-5981.	2.9	22
56	Azaindenoisoquinolines as Topoisomerase I Inhibitors and Potential Anticancer Agents: A Systematic Study of Structureâ€“Activity Relationships. Journal of Medicinal Chemistry, 2012, 55, 1682-1697.	2.9	34
57	Dibenzo[c,h][1,5]naphthyridinediones as Topoisomerase I Inhibitors: Design, Synthesis, and Biological Evaluation. Journal of Organic Chemistry, 2012, 77, 5167-5172.	1.7	22
58	Synthesis and Biological Evaluation of the First Dual Tyrosyl-DNA Phosphodiesterase I (Tdp1)â€“Topoisomerase I (Top1) Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 4457-4478.	2.9	85
59	The tamoxifen metabolite norendoxifen is a potent and selective inhibitor of aromatase (CYP19) and a potential lead compound for novel therapeutic agents. Breast Cancer Research and Treatment, 2012, 133, 99-109.	1.1	54
60	Optimizing thiadiazole analogues of resveratrol versus three chemopreventive targets. Bioorganic and Medicinal Chemistry, 2012, 20, 510-520.	1.4	63
61	Optimization of the aromatase inhibitory activities of pyridylthiazole analogues of resveratrol. Bioorganic and Medicinal Chemistry, 2012, 20, 2427-2434.	1.4	28
62	7-Azaindenoisoquinolines as Topoisomerase I Inhibitors and Potential Anticancer Agents. Journal of Medicinal Chemistry, 2011, 54, 6106-6116.	2.9	58
63	Alcohol-, Diol-, and Carbohydrate-Substituted Indenoisoquinolines as Topoisomerase I Inhibitors: Investigating the Relationships Involving Stereochemistry, Hydrogen Bonding, and Biological Activity. Journal of Medicinal Chemistry, 2011, 54, 4937-4953.	2.9	42
64	Design, Synthesis, and Biological Evaluation of Thiazoles Targeting Flavivirus Envelope Proteins. Journal of Medicinal Chemistry, 2011, 54, 1704-1714.	2.9	43
65	An unexpected synthesis of 3,5-diaryl-1,2,4-thiadiazoles from thiobenzamides and methyl bromocyanoacetate. Tetrahedron Letters, 2011, 52, 4941-4943.	0.7	21
66	An investigation of phenylthiazole antiflaviviral agents. Bioorganic and Medicinal Chemistry, 2011, 19, 3845-3854.	1.4	47
67	Induction of Retinoid X Receptor Activity and Consequent Upregulation of p21WAF1/CIP1 by Indenoisoquinolines in MCF7 Cells. Cancer Prevention Research, 2011, 4, 592-607.	0.7	30
68	Design, synthesis, and biological evaluation of resveratrol analogues as aromatase and quinone reductase 2 inhibitors for chemoprevention of cancer. Bioorganic and Medicinal Chemistry, 2010, 18, 5352-5366.	1.4	79
69	Selective Synthesis and Biological Evaluation of Sulfate-Conjugated Resveratrol Metabolites. Journal of Medicinal Chemistry, 2010, 53, 5033-5043.	2.9	178
70	Potential Chemopreventive Agents Based on the Structure of the Lead Compound 2-Bromo-1-hydroxyphenazine, Isolated from Streptomyces Species, Strain CNS284. Journal of Medicinal Chemistry, 2010, 53, 8688-8699.	2.9	69
71	Design, Synthesis, and Evaluation of Dibenzo[c,h][1,6]naphthyridines as Topoisomerase I Inhibitors and Potential Anticancer Agents. Journal of Medicinal Chemistry, 2010, 53, 8716-8726.	2.9	67
72	Cancer chemopreventive potential of aromathecins and phenazines, novel natural product derivatives. Anticancer Research, 2010, 30, 4873-82.	0.5	12

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73	Activity of Indenoisoquinolines against African Trypanosomes. Antimicrobial Agents and Chemotherapy, 2009, 53, 123-128.	1.4	20
74	The indenoisoquinoline noncamptothecin topoisomerase I inhibitors: update and perspectives. Molecular Cancer Therapeutics, 2009, 8, 1008-1014.	1.9	144
75	Structure elucidation by synthesis of four metabolites of the antitumor drug ENMD-1198 detected in human plasma samples. Tetrahedron, 2009, 65, 10535-10543.	1.0	10
76	Discovery and Development of the Covalent Hydrates of Trifluoromethylated Pyrazoles as Riboflavin Synthase Inhibitors with Antibiotic Activity Against Mycobacterium tuberculosis. Journal of Organic Chemistry, 2009, 74, 5297-5303.	1.7	48
77	Crystallographic Study of a Novel Subnanomolar Inhibitor Provides Insight on the Binding Interactions of Alkenyldiarylmethanes with Human Immunodeficiency Virus-1 Reverse Transcriptase. Journal of Medicinal Chemistry, 2009, 52, 6467-6473.	2.9	11
78	Design, Synthesis, and Biological Evaluation of Antiviral Agents Targeting Flavivirus Envelope Proteins. Journal of Medicinal Chemistry, 2008, 51, 4660-4671.	2.9	99
79	The Binding Orientation of a Norindenoisoquinoline in the Topoisomerase Iâ”DNA Cleavage Complex Is Primarily Governed by Ï€â”Ï€ Stacking Interactions. Journal of Physical Chemistry B, 2008, 112, 9484-9489.	1.2	21
80	Novel Indenoisoquinolines NSC 725776 and NSC 724998 Produce Persistent Topoisomerase I Cleavage Complexes and Overcome Multidrug Resistance. Cancer Research, 2007, 67, 10397-10405.	0.4	118
81	Optimization of the Indenone Ring of Indenoisoquinoline Topoisomerase I Inhibitors. Journal of Medicinal Chemistry, 2007, 50, 4388-4404.	2.9	100
82	Nitrated Indenoisoquinolines as Topoisomerase I Inhibitors:â€‰ A Systematic Study and Optimization. Journal of Medicinal Chemistry, 2007, 50, 4419-4430.	2.9	62
83	Investigation of the Lactam Side Chain Length Necessary for Optimal Indenoisoquinoline Topoisomerase I Inhibition and Cytotoxicity in Human Cancer Cell Cultures. Journal of Medicinal Chemistry, 2007, 50, 2040-2048.	2.9	59
84	Synthesis and Biological Evaluation of Alkenyldiarylmethane HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors That Possess Increased Hydrolytic Stability. Journal of Medicinal Chemistry, 2007, 50, 4854-4867.	2.9	31
85	Synthesis and Anti-HIV Activity of New Metabolically Stable Alkenyldiarylmethane Non-Nucleoside Reverse Transcriptase Inhibitors Incorporating N-Methoxy Imidoyl Halide and 1,2,4-Oxadiazole Systems. Journal of Medicinal Chemistry, 2007, 50, 3314-3321.	2.9	49
86	Synthesis and Biological Evaluation of (Â±)-Abyssinone II and Its Analogues as Aromatase Inhibitors for Chemoprevention of Breast Cancer. Journal of Medicinal Chemistry, 2007, 50, 2799-2806.	2.9	84
87	A Systematic Study of Nitrated Indenoisoquinolines Reveals a Potent Topoisomerase I Inhibitor. Journal of Medicinal Chemistry, 2006, 49, 7740-7753.	2.9	68
88	Synthesis and Evaluation of Indenoisoquinoline Topoisomerase I Inhibitors Substituted with Nitrogen Heterocycles. Journal of Medicinal Chemistry, 2006, 49, 6283-6289.	2.9	89
89	Synthesis and Biological Evaluation of Bisindenoisoquinolines as Topoisomerase I Inhibitors. Journal of Medicinal Chemistry, 2006, 49, 5129-5140.	2.9	37
90	Replacement of the Metabolically Labile Methyl Esters in the Alkenyldiarylmethane Series of Non-Nucleoside Reverse Transcriptase Inhibitors with Isoxazolone, Isoxazole, Oxazolone, or Cyano Substituents. Journal of Medicinal Chemistry, 2006, 49, 5316-5323.	2.9	45

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91	Synthesis of benz[d]indeno[1,2-b]pyran-5,11-diones: Versatile intermediates for the design and synthesis of topoisomerase I inhibitors. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 1846-1849.	1.0	48
92	Evaluation of indenoisoquinoline topoisomerase I inhibitors using a hollow fiber assay. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 4395-4399.	1.0	19
93	Synthesis and anti-HIV activity of new alkenyldiarylmethane (ADAM) non-nucleoside reverse transcriptase inhibitors (NNRTIs) incorporating benzoxazolone and benzisoxazole rings. Bioorganic and Medicinal Chemistry, 2006, 14, 2366-2374.	1.4	78
94	On the mechanism of conversion of 4-carboxy-3,4-dihydro-3-phenyl-1(2H)-isoquinolones to indeno[1,2-c]isoquinolines by thionyl chloride. Tetrahedron, 2006, 62, 9705-9712.	1.0	17
95	Bisindenoisoquinoline Bis-1,3-{(5,6-dihydro-5,11-diketo-11H-indeno[1,2-c]isoquinoline)-6-propylamino}propane bis(trifluoroacetate) (NSC 727357), a DNA Intercalator and Topoisomerase Inhibitor with Antitumor Activity. Molecular Pharmacology, 2006, 70, 1109-1120.	1.0	38
96	A novel norindenoisoquinoline structure reveals a common interfacial inhibitor paradigm for ternary trapping of the topoisomerase I-DNA covalent complex. Molecular Cancer Therapeutics, 2006, 5, 287-295.	1.9	154
97	Dihydroindenoisoquinolines function as prodrugs of indenoisoquinolines. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 2795-2798.	1.0	27
98	Cellular Topoisomerase I Inhibition and Antiproliferative Activity by MJ-III-65 (NSC 706744), an Indenoisoquinoline Topoisomerase I Poison. Molecular Pharmacology, 2005, 67, 523-530.	1.0	65
99	Structures of Three Classes of Anticancer Agents Bound to the Human Topoisomerase Iâ^'DNA Covalent Complex. Journal of Medicinal Chemistry, 2005, 48, 2336-2345.	2.9	447
100	An Ab Initio Quantum Mechanics Calculation that Correlates with Ligand Orientation and DNA Cleavage Site Selectivity in Camptothecinâ^'DNAâ^'Topoisomerase I Ternary Cleavage Complexes. Journal of the American Chemical Society, 2005, 127, 9960-9961.	6.6	65
101	Synthesis, Anti-HIV Activity, and Metabolic Stability of New Alkenyldiarylmethane HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors. Journal of Medicinal Chemistry, 2005, 48, 6140-6155.	2.9	33
102	Effect of E-Ring Modifications in Camptothecin on Topoisomerase I Inhibition:Â A Quantum Mechanics Treatment. Journal of Organic Chemistry, 2005, 70, 9584-9587.	1.7	21
103	On the Binding of Indeno[1,2-c]isoquinolines in the DNAâ^'Topoisomerase I Cleavage Complex. Journal of Medicinal Chemistry, 2005, 48, 3231-3238.	2.9	74
104	A Facile Method To Transformtrans-4-Carboxy-3,4-dihydro-3-phenyl- 1(2H)-isoquinolones to Indeno[1,2-c]isoquinolines. Journal of Organic Chemistry, 2005, 70, 6496-6498.	1.7	15
105	Design, Synthesis, and Biochemical Evaluation of 1,5,6,7-Tetrahydro-6,7-dioxo-9-d-Ribitylaminolumazines Bearing Alkyl Phosphate Substituents as Inhibitors of Lumazine Synthase and Riboflavin Synthase. Journal of Organic Chemistry, 2005, 70, 8162-8170.	1.7	32
106	Synthesis and Mechanism of Action Studies of a Series of Norindenoisoquinoline Topoisomerase I Poisons Reveal an Inhibitor with a Flipped Orientation in the Ternary DNAâ^'Enzymeâ^'Inhibitor Complex As Determined by X-ray Crystallographic Analysis. Journal of Medicinal Chemistry, 2005, 48, 4803-4814.	2.9	102
107	Design, Synthesis, Anti-HIV Activities, and Metabolic Stabilities of Alkenyldiarylmethane (ADAM) Non-nucleoside Reverse Transcriptase Inhibitors. Journal of Medicinal Chemistry, 2004, 47, 3149-3162.	2.9	33
108	Design, synthesis, and biological evaluation of cytotoxic 11-aminoalkenylindenoisoquinoline and 11-diaminoalkenylindenoisoquinoline topoisomerase I inhibitors. Bioorganic and Medicinal Chemistry, 2004, 12, 5147-5160.	1.4	52

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109	Synthesis of nitrated indenoisoquinolines as topoisomerase I inhibitors. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3659-3663.	1.0	50
110	Synthesis, Crystal Structure, and Conversion of the Polycyclic Trisâ€Anhydrotetramer of Oâ€Aminobenzaldehyde to Cu(TAAB)2+. Synthetic Communications, 2004, 34, 3901-3907.	1.1	10
111	Novel Autoxidative Cleavage Reaction of 9-Fluoredenes Discovered during Synthesis of a Potential DNA-Threading Indenoisoquinoline. Journal of Organic Chemistry, 2004, 69, 7495-7501.	1.7	13
112	Design, Synthesis, and Evaluation of 9-d-Ribitylamino-1,3,7,9-tetrahydro-2,6,8-purinetriones Bearing Alkyl Phosphate and Î±,Î±-Difluorophosphonate Substituents as Inhibitors of Riboflavin Synthase and Lumazine Synthase. Journal of Organic Chemistry, 2004, 69, 601-612.	1.7	53
113	Synthesis and Anticancer Activity of Simplified Indenoisoquinoline Topoisomerase I Inhibitors Lacking Substituents on the Aromatic Rings. Journal of Medicinal Chemistry, 2004, 47, 5651-5661.	2.9	119
114	Design, Synthesis, and Biological Evaluation of Indenoisoquinoline Topoisomerase I Inhibitors Featuring Polyamine Side Chains on the Lactam Nitrogen. Journal of Medicinal Chemistry, 2003, 46, 5712-5724.	2.9	123
115	Design, Synthesis, and Biological Evaluation of Cytotoxic 11-Alkenylindenoisoquinoline Topoisomerase I Inhibitors and Indenoisoquinolineâ"Camptothecin Hybrids. Journal of Medicinal Chemistry, 2003, 46, 3275-3282.	2.9	88
116	Differential induction of topoisomerase I-DNA cleavage complexes by the indenoisoquinoline MJ-III-65 (NSC 706744) and camptothecin: base sequence analysis and activity against camptothecin-resistant topoisomerases I. Cancer Research, 2003, 63, 7428-35.	0.4	88
117	The Effect of Exchanging Various Substituents at the 2-Position of 2-Methoxyestradiol on Cytotoxicity in Human Cancer Cell Cultures and Inhibition of Tubulin Polymerization. Journal of Medicinal Chemistry, 2002, 45, 4748-4754.	2.9	40
118	Incorporation of an Amide into 5-Phosphonoalkyl-6-d-ribitylaminopyrimidinedione Lumazine Synthase Inhibitors Results in an Unexpected Reversal of Selectivity for Riboflavin Synthase vs Lumazine Synthase. Journal of Organic Chemistry, 2002, 67, 6871-6877.	1.7	23
119	Synthesis of New Dihydroindeno[1,2-c]isoquinoline and Indenoisoquinolinium Chloride Topoisomerase I Inhibitors Having High in Vivo Anticancer Activity in the Hollow Fiber Animal Model. Journal of Medicinal Chemistry, 2002, 45, 242-249.	2.9	94
120	Design, Synthesis, and Evaluation of 6-Carboxyalkyl and 6-Phosphonoxyalkyl Derivatives of 7-Oxo-8-ribitylaminolumazines as Inhibitors of Riboflavin Synthase and Lumazine Synthase. Journal of Organic Chemistry, 2002, 67, 5807-5816.	1.7	46
121	The Biological Effects of Structural Variation at the Meta Position of the Aromatic Rings and at the End of the Alkenyl Chain in the Alkenyldiarylmethane Series of Non-Nucleoside Reverse Transcriptase Inhibitors. Journal of Medicinal Chemistry, 2001, 44, 4092-4113.	2.9	36
122	Investigation of an Unexpected Addition Reaction That Occurs when 2,3:4,5-Di-O-isopropylidene-d-ribose Diethyl Dithioacetal Is Treated with Mercuric Oxide and Mercuric Chloride. Journal of Organic Chemistry, 2001, 66, 4405-4408.	1.7	3
123	Domain structure of riboflavin synthase. FEBS Journal, 2001, 268, 4315-4323.	0.2	26
124	Synthesis of New Indeno[1,2-c]isoquinolines:â€‰ Cytotoxic Non-Camptothecin Topoisomerase I Inhibitors. Journal of Medicinal Chemistry, 2000, 43, 3688-3698.	2.9	154
125	Synthesis and Biochemical Evaluation of Bis(6,7-dimethyl-8-d-ribityllumazines) as Potential Bisubstrate Analogue Inhibitors of Riboflavin Synthase. Journal of Organic Chemistry, 1999, 64, 4635-4642.	1.7	24
126	Synthesis of Cytotoxic Indenoisoquinoline Topoisomerase I Poisons. Journal of Medicinal Chemistry, 1999, 42, 446-457.	2.9	122

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127	Design, Synthesis, and Biological Evaluation of Homologous Phosphonic Acids and Sulfonic Acids as Inhibitors of Lumazine Synthase. Journal of Organic Chemistry, 1999, 64, 3838-3845.	1.7	31
128	An Optimized Synthesis of 2-Methoxyestradiol, A Naturally Occurring Human Metabolite with Anticancer Activity. Synthetic Communications, 1998, 28, 4431-4437.	1.1	13
129	Protein-Linked DNA Strand Breaks Induced by NSC 314622, a Novel Noncamptothecin Topoisomerase I Poison. Molecular Pharmacology, 1998, 54, 50-58.	1.0	159
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