

Discovery and development of antimetabolic agents that inhibit the treatment of cancer

Expert Opinion on Therapeutic Patents

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Tumor selective antivasular effects of the novel antimitotic compound ABT-751: an in vivo rat regional hemodynamic study. <i>Cancer Chemotherapy and Pharmacology</i> , 2004, 54, 273-81.	1.1	45
2	Recent advances in the discovery and development of stilbenes and lactones in anticancer therapy. <i>Expert Opinion on Therapeutic Patents</i> , 2004, 14, 819-835.	2.4	26
3	Arylthioindoles, Potent Inhibitors of Tubulin Polymerization. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 6120-6123.	2.9	260
4	Synthesis and Structure-Activity Relationships of 3-Aminobenzophenones as Antimitotic Agents. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 2897-2905.	2.9	90
5	Synthesis and structure-activity relationships of 1,2,4-triazoles as a novel class of potent tubulin polymerization inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 5154-5159.	1.0	68
6	Phase I Study of ABT-751, a Novel Microtubule Inhibitor, in Patients with Refractory Hematologic Malignancies. <i>Clinical Cancer Research</i> , 2005, 11, 6615-6624.	3.2	81
7	Plants as a source of anti-cancer agents. <i>Journal of Ethnopharmacology</i> , 2005, 100, 72-79.	2.0	1,517
8	Natural products to drugs: natural product derived compounds in clinical trials. <i>Natural Product Reports</i> , 2005, 22, 162.	5.2	488
9	Identification of Novel and Improved Antimitotic Agents Derived from Noscapine. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 7096-7098.	2.9	56
10	Novel Benzopyridothiadiazepines as Potential Active Antitumor Agents. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 7363-7373.	2.9	76
11	Quantitative Structure-Activity Relationship (5D-QSAR) Study of Combretastatin-like Analogues as Inhibitors of Tubulin Assembly. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 457-465.	2.9	71
12	Synthesis and Biological Evaluation of 2-(3,4,5-Trimethoxybenzoyl)-3-Amino 5-Aryl Thiophenes as a New Class of Tubulin Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6425-6428.	2.9	53
13	Antitubulin agents for the treatment of cancer - a medicinal chemistry update. <i>Expert Opinion on Therapeutic Patents</i> , 2006, 16, 647-691.	2.4	76
14	Medicinal Chemistry of Combretastatin A4: Present and Future Directions. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 3033-3044.	2.9	588
15	Medicinal plants: Traditions of yesterday and drugs of tomorrow. <i>Molecular Aspects of Medicine</i> , 2006, 27, 1-93.	2.7	1,398
16	Synthesis and in vitro cytotoxicity of haloderivatives of noscapine. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 6733-6736.	1.4	40
17	Oxadiazole derivatives as a novel class of antimitotic agents: Synthesis, inhibition of tubulin polymerization, and activity in tumor cell lines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 1191-1196.	1.0	90
18	Design, synthesis, and biological evaluation of combretastatin nitrogen-containing derivatives as inhibitors of tubulin assembly and vascular disrupting agents. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 3231-3244.	1.4	73

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19	The synthesis of indanones related to combretastatin A-4 via microwave-assisted Nazarov cyclization of chalcones. <i>Tetrahedron Letters</i> , 2006, 47, 1637-1640.	0.7	43
20	Porphyridium cruentum A-408 and Planktothrix A-404 retain their capacity to produce biotechnologically exploitable metabolites after cryopreservation. <i>Journal of Applied Phycology</i> , 2006, 18, 1-7.	1.5	16
21	Effects of \pm -substitutions on structure and biological activity of anticancer chalcones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5844-5848.	1.0	135
22	Structure-Activity Relationship Studies of 3-Aroylindoles as Potent Antimitotic Agents. <i>ChemMedChem</i> , 2006, 1, 1106-1118.	1.6	44
23	Apoptotic pathway induced by noscapine in human myelogenous leukemic cells. <i>Anti-Cancer Drugs</i> , 2007, 18, 1139-1147.	0.7	31
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27	Synthesis and Antitumor Activities of Novel Methylthio-, Sulfinyl-, and Sulfonyl- <i>h</i> -thieno[2,3- <i>b</i>]pyrrolizin-8-oximino Derivatives. <i>Archiv Der Pharmazie</i> , 2007, 340, 416-423.	2.1	6
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29	The concise synthesis of chalcone, indanone and indenone analogues of combretastatin A4. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3290-3298.	1.4	84
30	9-Benzylidene-naphtho[2,3-b]thiophen-4-ones and benzylidene-9(10H)-anthracenones as novel tubulin interacting agents with high apoptosis-inducing activity. <i>European Journal of Pharmacology</i> , 2007, 575, 34-45.	1.7	16
31	Design, synthesis, and biological evaluation of thiophene analogues of chalcones. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 5367-5376.	1.4	93
32	Synthesis and antitumor activity of benzils related to combretastatin A-4. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3266-3271.	1.0	96
33	Discovery of 4-Amino and 4-Hydroxy-1-aryolindoles as Potent Tubulin Polymerization Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4351-4355.	2.9	68
34	Molecular Modeling Approaches to Study the Binding Mode on Tubulin of Microtubule Destabilizing and Stabilizing Agents. <i>Topics in Current Chemistry</i> , 2008, 286, 279-328.	4.0	32
35	Molecular Features of the Interaction of Colchicine and Related Structures with Tubulin. , 2008, , 259-279.		1
36	Special Issue in Honor of Professor George Robert Pettit. <i>Journal of Natural Products</i> , 2008, 71, 297-299.	1.5	2

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40	Synthesis and <i>In Vitro</i> Antitumor Activities of Some Mannich Bases of 9-Alkyl-1,2,3,4-tetrahydrocarbazole-1-ones. <i>Archiv Der Pharmazie</i> , 2009, 342, 165-172.	2.1	29
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43	Structure elucidation by synthesis of four metabolites of the antitumor drug ENMD-1198 detected in human plasma samples. <i>Tetrahedron</i> , 2009, 65, 10535-10543.	1.0	10
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51	Terrestrial Plants as a Source of Novel Pharmaceutical Agents. , 2010, , 5-39.		5
52	5-Amino-2-Aroylquinolines as Highly Potent Tubulin Polymerization Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2309-2313.	2.9	69
53	<i>N</i> -Benzoylated Phenoxazines and Phenothiazines: Synthesis, Antiproliferative Activity, and Inhibition of Tubulin Polymerization. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4247-4263.	2.9	56
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55	Protection from impulse noise-induced hearing loss with novel Src-protein tyrosine kinase inhibitors. <i>Neuroscience Research</i> , 2011, 71, 348-354.	1.0	17
56	Concise syntheses of N-aryl-5,6,7-trimethoxyindoles as antimetabolic and vascular disrupting agents: application of the copper-mediated Ullmann-type arylation. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3154.	1.5	20
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59	The Discovery and Development of the Combretastatins. , 2011, , 43-80.		9
60	Synthesis and cytotoxic evaluation of N-(4-methoxy-1H-benzo[d]imidazol-7-yl)-arylsulfonamide and N-aryl-(4-methoxy-1H-benzo[d]imidazol)-7-sulfonamide analogs of combretastatin A-4. <i>Journal of Asian Natural Products Research</i> , 2011, 13, 330-340.	0.7	2
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65	(Z)-1-Aryl-3-arylamino-2-propen-1-ones, Highly Active Stimulators of Tubulin Polymerization: Synthesis, Structure—Activity Relationship (SAR), Tubulin Polymerization, and Cell Growth Inhibition Studies. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5174-5187.	2.9	41
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68	Synthesis and antiproliferative evaluation of novel benzoimidazole-contained oxazole-bridged analogs of combretastatin A-4. <i>European Journal of Medicinal Chemistry</i> , 2013, 68, 222-232.	2.6	33
69	Synthesis and in vitro cytotoxic evaluation of novel N-(3,4,5-trimethoxyphenyl)pyridin-2-ylidene-1H-imidazole-5-carboxamide. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 100-108.	2.1	4
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72	New cytotoxic benzosuberene analogs. Synthesis, molecular modeling and biological evaluation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6688-6694.	1.0	13

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77	Synthesis, biological evaluation, and structure-activity relationships of tri- and tetrasubstituted olefins related to isocombretastatin A-4 as new tubulin inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 430-442.	1.5	55
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80	Pharmacokinetic Evaluation of a Novel Benzopyridooxathiazepine Derivative as a Potential Anticancer Agent. <i>Pharmacology</i> , 2014, 94, 170-178.	0.9	2
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83	Pyrazole-oxadiazole conjugates: synthesis, antiproliferative activity and inhibition of tubulin polymerization. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7993-8007.	1.5	38
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86	Antiproliferative and proapoptotic effects of a pyrrole containing arylthioindole in human Jurkat leukemia cell line and multidrug-resistant Jurkat/A4 cells. <i>Cancer Biology and Therapy</i> , 2015, 16, 1820-1829.	1.5	6
87	Synthesis and biological evaluation of thiabendazole derivatives as anti-angiogenesis and vascular disrupting agents. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3774-3780.	1.4	34
88	Tubulin Inhibitor Identification by Bioactive Conformation Alignment Pharmacophore-Guided Virtual Screening. <i>Chemical Biology and Drug Design</i> , 2015, 86, 998-1016.	1.5	6
89	4,5-Diaryl-3H-1,2-dithiole-3-thiones and related compounds as combretastatin A-4/oltipraz hybrids: Synthesis, molecular modelling and evaluation as antiproliferative agents and inhibitors of tubulin. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 520-529.	2.6	35
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95	Combretastatin A-4 based thiophene derivatives as antitumor agent: Development of structure activity correlation model using 3D-QSAR, pharmacophore and docking studies. <i>Future Journal of Pharmaceutical Sciences</i> , 2017, 3, 71-78.	1.1	10
96	<i>N</i> -Heterocyclic (4-Phenylpiperazin-1-yl)methanones Derived from Phenoxazine and Phenothiazine as Highly Potent Inhibitors of Tubulin Polymerization. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 749-766.	2.9	28
97	Synthesis, antiproliferative, anti-tubulin activity, and docking study of new 1,2,4-triazoles as potential combretastatin analogues. <i>European Journal of Medicinal Chemistry</i> , 2017, 141, 293-305.	2.6	47
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104	A synthetic 2,3-diarylindole induces microtubule destabilization and G2/M cell cycle arrest in lung cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126777.	1.0	11
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106	Synthesis, biological evaluation, and molecular modelling of new naphthalene-chalcone derivatives as potential anticancer agents on MCF-7 breast cancer cells by targeting tubulin colchicine binding site. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 139-144.	2.5	59
107	Design and synthesis of 1,2,4-Thiadiazole linked combretastatin-A4 derivatives as promising anticancer agents. <i>Chemical Data Collections</i> , 2020, 28, 100481.	1.1	1
108	Synthesis, anticancer evaluation, and molecular docking studies of benzoxazole linked combretastatin analogues. <i>Medicinal Chemistry Research</i> , 2020, 29, 528-537.	1.1	7
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115	Molecular Classification of 5-Amino-2-Aroylquinolines and 4-Aroyl-6,7,8-Trimethoxyquinolines as Highly Potent Tubulin Polymerization Inhibitors. International Journal of Chemoinformatics and Chemical Engineering, 2013, 3, 1-26.	0.1	2
116	New Multi-Targeted Antiproliferative Agents: Design and Synthesis of IC261-Based Oxindoles as Potential Tubulin, CK1 and EGFR Inhibitors. Pharmaceuticals, 2021, 14, 1114.	1.7	10
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118	Design, Synthesis and Anticancer Activity of New Benzofuranâ€Chalcone Hybrids and Their Water Soluble Sodium Salts. ChemistrySelect, 2023, 8, .	0.7	2