

Inhibition of protein phosphatases by microcystis and hepatotoxicity

Journal of Cancer Research and Clinical Oncology
116, 609-614

DOI: 10.1007/bf01637082

Citation Report

#	ARTICLE	IF	CITATIONS
1	Microcystins from <i>Anabaena flos-aquae</i> NRC 525-17. <i>Chemical Research in Toxicology</i> , 1991, 4, 535-540.	1.7	117
2	Vimentin is hyperphosphorylated in primary human fibroblasts treated with okadaic acid. <i>Biochemical and Biophysical Research Communications</i> , 1991, 177, 1165-1170.	1.0	65
3	Rapid purification of protein phosphatase 2A from mouse brain by microcystin-affinity chromatography. <i>FEBS Letters</i> , 1991, 279, 115-118.	1.3	26
4	Binding competition of okadaic acid derivatives to anti-okadaic acid antibody. <i>Toxicon</i> , 1991, 29, 1409-1412.	0.8	3
5	Effects of okadaic acid on agonist-stimulated PGI ₂ production by rat liver cells (the C-9 cell line). <i>Prostaglandins</i> , 1991, 41, 615-624.	1.2	3
6	Structure-Function Relationships of Microcystins, Liver Tumor Promoters, in Interaction with Protein Phosphatase. <i>Japanese Journal of Cancer Research</i> , 1991, 82, 993-996.	1.7	119
7	An alternative theory of tissue specificity by tumor promotion of okadaic acid in glandular stomach of SD rats. <i>Carcinogenesis</i> , 1992, 13, 1841-1845.	1.3	61
8	Structures of three new homotyrosine-containing microcystins and a new homophenylalanine variant from <i>Anabaena</i> sp. strain 66. <i>Chemical Research in Toxicology</i> , 1992, 5, 661-666.	1.7	62
9	A Method for Micro-Determination of Total Microcystin Content in Waterblooms of Cyanobacteria (Blue-Green Algae). <i>International Journal of Environmental Analytical Chemistry</i> , 1992, 49, 163-170.	1.8	97
10	Protein phosphatases modulate the apparent agonist affinity of the light-regulated ion channel in retinal rods. <i>Neuron</i> , 1992, 9, 739-748.	3.8	177
11	Three new microcystins, cyclic heptapeptide hepatotoxins, from <i>Nostoc</i> sp. strain 152. <i>Chemical Research in Toxicology</i> , 1992, 5, 464-469.	1.7	128
12	Structurally different members of the okadaic acid class selectively inhibit protein serine/threonine but not tyrosine phosphatase activity. <i>Toxicon</i> , 1992, 30, 873-878.	0.8	101
13	Separation and identification of microcystins in cyanobacteria by frit-fast atom bombardment liquid chromatography/mass spectrometry. <i>Toxicon</i> , 1992, 30, 227-237.	0.8	61
14	The role of arginine in interactions of microcystins with protein phosphatases 1 and 2a. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 673-676.	1.0	8
15	An alternative computer model of the 3-dimensional structural of microcystin-LR and nodularin rationalising their interactions with protein phosphatases 1 and 2A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 299-302.	1.0	16
16	Microcystin-la from a blue-green alga belonging to the stigonematales. <i>Phytochemistry</i> , 1992, 31, 1247-1248.	1.4	55
17	Cytoskeletal changes in hepatocytes induced by Microcystis toxins and their relation to hyperphosphorylation of cell proteins. <i>Chemico-Biological Interactions</i> , 1992, 81, 181-196.	1.7	204
18	Liver tumor promotion by the cyanobacterial cyclic peptide toxin microcystin-LR. <i>Journal of Cancer Research and Clinical Oncology</i> , 1992, 118, 420-424.	1.2	766

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19	FATE OF THE TOXIC CYCLIC HEPTAPEPTIDES, THE MICROCYSTINS, FROM BLOOMS OF MICROCYSTIS (CYANOBACTERIA) IN A HYPERTROPHIC LAKE1. Journal of Phycology, 1992, 28, 761-767.	1.0	120
20	Cyanobacteria secondary metabolites—the cyanotoxins. Journal of Applied Bacteriology, 1992, 72, 445-459.	1.1	1,229
21	Is the inhibition of protein phosphatase 1 and 2A activities a general mechanism of tumor promotion in human cancer development?. Molecular Carcinogenesis, 1992, 5, 91-94.	1.3	50
22	Hepatotoxin (microcystin) and neurotoxin (anatoxin-a) contained in natural blooms and strains of cyanobacteria from Japanese freshwaters. Natural Toxins, 1993, 1, 353-360.	1.0	120
23	Isolation of linear peptides related to the hepatotoxins nodularin and microcystins. Tetrahedron Letters, 1993, 34, 7881-7884.	0.7	52
24	Analysis of microcystins from cyanobacteria by liquid chromatography with mass spectrometry using atmospheric-pressure ionization. Rapid Communications in Mass Spectrometry, 1993, 7, 714-721.	0.7	62
25	The conserved acid binding domain model of inhibitors of protein phosphatases 1 and 2A: Molecular modelling aspects.. Bioorganic and Medicinal Chemistry Letters, 1993, 3, 1029-1034.	1.0	38
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27	Identification of protein phosphatase inhibitors of the microcystin class in the marine environment. Toxicon, 1993, 31, 1407-1414.	0.8	69
28	Identification and characterization of hydrophobic microcystins in Canadian freshwater cyanobacteria. Toxicon, 1993, 31, 1541-1549.	0.8	75
29	Quantification of diarrhetic shellfish toxins and identification of novel protein phosphatase inhibitors in marine phytoplankton and mussels. Toxicon, 1993, 31, 75-83.	0.8	47
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31	Chemical characterization and toxicity of dihydro derivatives of nodularin and microcystin-LR, potent cyanobacterial cyclic peptide hepatotoxins. Chemical Research in Toxicology, 1993, 6, 151-158.	1.7	46
32	Inhibitors of protein phosphatase-1 and -2A; two of the major serine/threonine protein phosphatases involved in cellular regulation. Current Opinion in Structural Biology, 1993, 3, 934-943.	2.6	63
33	Tumor Promotion by Inhibitors of ProteinZ Phosphatases 1 and 2A: The Okadaic Acid Class of Compounds. Advances in Cancer Research, 1993, 61, 143-194.	1.9	270
34	Toxic Water Bloom of Blue-green Algae: Biological and Chemical Charactereristics.. Japanese Journal of Limnology, 1993, 54, 225-243.	0.1	6
35	Measurement of Toxins from Blue-green Algae in Water and Foodstuffs. , 1993, , 165-175.		39
36	Mechanism of Toxicity of Cyclic Peptide Toxins from Blue-green Algae. , 1993, , 177-186.		30

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37	Microcystin class of toxins: health effects and safety of drinking water supplies. Environmental Reviews, 1994, 2, 167-186.	2.1	53
38	Structure and biosynthesis of toxins from blue-green algae (cyanobacteria). Journal of Applied Phycology, 1994, 6, 159-176.	1.5	461
39	Toxin extraction from an <i>Anabaenopsis milleri</i> dominated bloom. Science of the Total Environment, 1994, 142, 163-169.	3.9	26
40	Two significant aspects of microcystin-LR: specific binding and liver specificity. Cancer Letters, 1994, 83, 283-289.	3.2	74
41	Biodegradability and adsorption on lake sediments of cyanobacterial hepatotoxins and anatoxin-a. Letters in Applied Microbiology, 1994, 19, 423-428.	1.0	149
42	Identification of protein phosphatase 2A as the primary target for microcystin-LR in rat liver homogenates. FEBS Letters, 1994, 344, 175-180.	1.3	78
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50	Stability of microcystins from cyanobacteria: effect of light on decomposition and isomerization. Environmental Science & Technology, 1994, 28, 173-177.	4.6	236
51	Kinetics of Distribution of Microcystin LR in Serum and Liver Cytosol of Mice: An Immunochemical Analysis. Journal of Agricultural and Food Chemistry, 1994, 42, 1035-1040.	2.4	30
52	Cross-Reactivity and Neutralizing Ability of Monoclonal Antibodies against Microcystins. Microbiology and Immunology, 1994, 38, 389-392.	0.7	11
55	Characterization of toxin-producing cyanobacteria by using an oligonucleotide probe containing a tandemly repeated heptamer. Journal of Bacteriology, 1995, 177, 6021-6026.	1.0	82
56	Cryopreservation of a water-bloom forming cyanobacterium, <i>Microcystis aeruginosa</i> f. <i>aeruginosa</i> . Phycological Research, 1995, 43, 111-116.	0.8	10

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58	Reliable and sensitive method for determination of microcystins in complicated matrices by frit-fast atom bombardment liquid chromatography/mass spectrometry. <i>Natural Toxins</i> , 1995, 3, 41-49.	1.0	43
59	Novel monoclonal antibodies against microcystin and their protective activity for hepatotoxicity. <i>Natural Toxins</i> , 1995, 3, 78-86.	1.0	136
60	Comparative pathology of microcystin-Lr in cultured hepatocytes, fibroblasts, and renal epithelial cells. <i>Natural Toxins</i> , 1995, 3, 119-128.	1.0	45
61	Induction of apoptosis by T-2 toxin and other natural toxins in HL-60 human promyelotic leukemia cells. <i>Natural Toxins</i> , 1995, 3, 129-137.	1.0	138
62	Pores formed in lipid bilayers and in native membranes by nodularin, a cyanobacterial toxin. <i>European Biophysics Journal</i> , 1995, 24, 69-76.	1.2	16
63	Persistence of cyclic peptide toxins in dried <i>Microcystis aeruginosa</i> crusts from lake Mokoan, Australia. <i>Environmental Toxicology and Water Quality</i> , 1995, 10, 19-24.	0.7	49
64	Comparison of the solution structures of microcystin-LR and motuporin. <i>Nature Structural and Molecular Biology</i> , 1995, 2, 114-116.	3.6	49
65	High-performance liquid chromatography with chemiluminescence detection of derivatized microcystins. <i>Journal of Chromatography A</i> , 1995, 693, 263-270.	1.8	38
66	Suppression by carotenoids of microtenoids of microcystin-induced morphological changes in mouse hepatocytes. <i>Lipids</i> , 1995, 30, 1029-1034.	0.7	74
67	Alterations in Microtubules, Intermediate Filaments, and Microfilaments Induced by Microcystin-LR in Cultured Cells. <i>Toxicologic Pathology</i> , 1995, 23, 326-337.	0.9	111
68	Stability of microcystins from cyanobacteria. II. Effect of UV light on decomposition and isomerization. <i>Toxicon</i> , 1995, 33, 1619-1631.	0.8	180
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74	Effects of microcystin-Lr on the partial reactions of the Na ⁺ -K ⁺ pump of the gill of carp (<i>Cyprinus</i>) Tj ETQq1 1 0.784314 rgBTJ/Overlock	0.8	45

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76	Bistratene A Causes Phosphorylation of Talin and Redistribution of Actin Microfilaments in Fibroblasts: Possible Role for PKC- ζ . <i>Experimental Cell Research</i> , 1996, 229, 327-335.	1.2	33
77	Fate of toxic cyclic heptapeptides, microcystins, in toxic cyanobacteria upon grazing by the mixotrophic flagellate <i>Poteroochromonas malhamensis</i> (Ochromonadales, Chrysophyceae). <i>Phycologia</i> , 1996, 35, 203-206.	0.6	14
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83	Choosing analytical strategy for microcystins. <i>Phycologia</i> , 1996, 35, 125-132.	0.6	14
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87	EVIDENCE THAT MICROCYSTIN IS A THIO-TEMPLATE PRODUCT ¹ . <i>Journal of Phycology</i> , 1996, 32, 591-597.	1.0	66
88	Microviridins D-F, serine protease inhibitors from the cyanobacterium <i>Oscillatoria agardhii</i> (NIES-204). <i>Tetrahedron</i> , 1996, 52, 8159-8168.	1.0	76
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91	Tumour promotion by cyanobacterial toxins. <i>Phycologia</i> , 1996, 35, 74-79.	0.6	137
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118	Formation of 3- amino-2, 6, 8-trimethyl-10-phenyldeca-4E 6E-dienoic acid from microcystin LR by the treatment with various proteases, and its detection in mouse liver. <i>Chemosphere</i> , 1998, 36, 2277-2282.	4.2	3
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121	Cyanobacterial toxins and human health. <i>Journal of Applied Microbiology</i> , 1998, 84, 35S-40S.	1.4	49
122	Protein Phosphatase Inhibition Assay for Detection of Microcystins in Lake Water and Microcystis Cultures.. <i>Microbes and Environments</i> , 1998, 13, 149-157.	0.7	1
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124	Molecular mechanisms underlying inhibition of protein phosphatases by marine toxins. <i>Frontiers in Bioscience - Landmark</i> , 1999, 4, d646.	3.0	66
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149	The adsorption of microcystin-LR by natural clay particles. <i>Toxicon</i> , 2000, 38, 303-308.	0.8	130
150	Monitoring of microcystin-protein phosphatase adduct formation with immunochemical methods. <i>Toxicon</i> , 2000, 38, 619-632.	0.8	20
151	Visual detection of cyanobacterial hepatotoxins by thin-layer chromatography and application to water analysis. <i>Water Research</i> , 2000, 34, 2643-2652.	5.3	36
152	Development and Application of Highly Sensitive Anti-immune Complex ELISAs for Microcystins in Tap Water. <i>Food and Agricultural Immunology</i> , 2000, 12, 231-241.	0.7	18
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154	Cyanobacterial Toxins: Removal during Drinking Water Treatment, and Human Risk Assessment. <i>Environmental Health Perspectives</i> , 2000, 108, 113.	2.8	130
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157	Isolation of New Protein Phosphatase Inhibitors from Two Cyanobacteria Species, <i>Planktothrix</i> spp.. <i>Journal of Natural Products</i> , 2001, 64, 1052-1055.	1.5	82
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