

Gossypol Prototype of Inhibitors Targeted to Dinucleot

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Reversible Inhibition of Calcineurin by the Polyphenolic Aldehyde Gossypol. <i>Journal of Biological Chemistry</i> , 2001, 276, 47914-47921.	1.6	72
2	Spectroscopic and semiempirical studies of gossypol complexes with Fe ²⁺ and Fe ³⁺ cations. <i>Journal of Molecular Structure</i> , 2001, 569, 147-155.	1.8	34
3	The kinetic properties and sensitivities to inhibitors of lactate dehydrogenases (LDH1 and LDH2) from <i>Toxoplasma gondii</i> : comparisons with pLDH from <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 2001, 118, 23-32.	0.5	62
4	Selective active site inhibitors of human lactate dehydrogenases A4, B4, and C4. Abbreviations: LDH, lactate dehydrogenase; and LDH-A4, -B4, and -C4, human lactate dehydrogenases A4, B4, and C4.. <i>Biochemical Pharmacology</i> , 2001, 62, 81-89.	2.0	127
5	The Schiff base of gossypol with 2-(aminomethyl)-15-crown-5 complexes with monovalent cations studied by MS, ¹ H NMR, FT-IR and PM5 semiempirical methods. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 6137-6143.	1.3	39
6	Spectroscopic studies and PM3 semiempirical calculations of Schiff bases of gossypol with L-amino acid methyl esters. <i>Biopolymers</i> , 2002, 67, 61-69.	1.2	59
7	Molecular mechanism of gossypol-induced cell growth inhibition and cell death of HT-29 human colon carcinoma cells. <i>Biochemical Pharmacology</i> , 2003, 66, 93-103.	2.0	159
8	17- ¹² -Hydroxysteroid dehydrogenase type 1: computational design of active site inhibitors targeted to the Rossmann fold. <i>Chemico-Biological Interactions</i> , 2003, 143-144, 481-491.	1.7	25
9	Spectroscopic study and PM5 semiempirical calculations of tautomeric forms of gossypol Schiff base with n-butylamine in the solid state and in the solution. <i>Journal of Molecular Structure</i> , 2003, 646, 161-168.	1.8	42
10	Crystal structure of Schiff base derivative of gossypol with 3,6,9-trioxa-decylamine. <i>Journal of Molecular Structure</i> , 2003, 655, 293-300.	1.8	35
11	New thioderivatives of gossypol and gossypolone, as prodrugs of cytotoxic agents. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 2001-2006.	1.4	20
12	Identification of <i>Babesia bovis</i> l-lactate dehydrogenase as a potential chemotherapeutic target against bovine babesiosis. <i>Molecular and Biochemical Parasitology</i> , 2004, 136, 165-172.	0.5	27
13	The schiff base of gossypol with 3,6,9,12,15,18,21,24-octaoxa-pentacosylamine complexes and monovalent cations studied by electrospray ionization-mass spectrometry, ¹ H nuclear magnetic resonance, Fourier transform infrared, as well as PM5 semiempirical methods. <i>Biopolymers</i> , 2004, 74, 273-286.	1.2	23
14	The Schiff base of gossypol with 2-(aminomethyl)-18-crown-6 complexes and H ⁺ , Li ⁺ , Na ⁺ , K ⁺ , Rb ⁺ , Cs ⁺ cations studied by ESI MS, ¹ H NMR, FT-IR and PM5 semiempirical methods. <i>Journal of Molecular Structure</i> , 2004, 699, 65-77.	1.8	25
15	Comparative Structural Analysis and Kinetic Properties of Lactate Dehydrogenases from the Four Species of Human Malarial Parasites. <i>Biochemistry</i> , 2004, 43, 6219-6229.	1.2	85
16	¹³ C, ¹⁵ N NMR and CP-MAS as well as FT-IR and PM5 studies of Schiff base of gossypol with l-phenylalanine methyl ester in solution and solid. <i>Journal of Molecular Structure</i> , 2005, 734, 123-128.	1.8	26
17	¹³ C, ¹⁵ N CP-MAS, FT-IR and PM5 studies of some Schiff bases of gossypol in solid. <i>Journal of Molecular Structure</i> , 2005, 748, 111-117.	1.8	25
18	Synthesis of gossypol atropisomers and derivatives and evaluation of their anti-proliferative and anti-oxidant activity. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4228-4237.	1.4	53

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19	Investigations on gossypol: past and present developments. <i>Expert Opinion on Investigational Drugs</i> , 2005, 14, 1419-1434.	1.9	133
20	Mapping the binding site for gossypol-like inhibitors of <i>Plasmodium falciparum</i> lactate dehydrogenase. <i>Molecular and Biochemical Parasitology</i> , 2005, 142, 137-148.	0.5	65
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22	Enantiodivergent synthesis of muricatacin related lactones from d-xylose based on the latent symmetry concept: preparation of two novel cytotoxic (+)- and (âˆ’)-muricatacin 7-oxa analogs. <i>Tetrahedron</i> , 2006, 62, 11044-11053.	1.0	26
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24	Multinuclear magnetic resonance, electrospray ionization mass spectroscopy, and parametric method 5 studies of a new derivative of gossypol with 2-thiophenecarbohydrazide as well as its complexes with Li+, Na+, K+, RB+, and Cs+ cations. <i>Biopolymers</i> , 2006, 83, 213-225.	1.2	11
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27	Induction of hairy root cultures from <i>Gossypium hirsutum</i> and <i>Gossypium barbadense</i> to produce gossypol and related compounds. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2008, 44, 508-517.	0.9	41
28	CP/MAS spectroscopy in the determination of the tautomeric forms of gossypol, its Schiff bases and hydrazones in the solid state. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 534-544.	1.1	13
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30	Molecular Structures and Stability Constants of Gossypol and Its Aza-Derivative Complexes with Silver(I) Cations Studied by Potentiometric, ESI MS, NMR, and AM1d Semiempirical Methods. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8061-8069.	1.1	16
31	The Fight Against Drug-Resistant Malaria: Novel Plasmodial Targets and Antimalarial Drugs. <i>Current Medicinal Chemistry</i> , 2008, 15, 161-171.	1.2	37
32	Transgenic Indian Cotton (<i>Gossypium hirsutum</i>) Harboring Rice Chitinase Gene (Chi II) Confers Resistance to Two Fungal Pathogens. <i>American Journal of Biochemistry and Biotechnology</i> , 2009, 5, 63-74.	0.1	32
33	Efficient Production of Gossypol from Hairy Root Cultures of Cotton (<i>Gossypium hirsutum</i> L.). <i>Current Pharmaceutical Biotechnology</i> , 2009, 10, 691-700.	0.9	23
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36	Chapter 6 Gossypol-A Polyphenolic Compound from Cotton Plant. <i>Advances in Food and Nutrition Research</i> , 2009, 58, 215-263.	1.5	102

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40	Discovery of <i>N</i> -Hydroxyindole-Based Inhibitors of Human Lactate Dehydrogenase Isoform A (LDH-A) as Starvation Agents against Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1599-1612.	2.9	195
41	Enzymes of mannitol metabolism in the human pathogenic fungus <i>Aspergillus fumigatus</i> : kinetic properties of mannitol 1-phosphate 5-dehydrogenase and mannitol 2-dehydrogenase, and their physiological implications. <i>FEBS Journal</i> , 2011, 278, 1264-1276.	2.2	10
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52	Drugs for Parasitic Infections: Advances in the Discovery of New Antimalarials. , 2016, , .		3
53	Gossypol toxicity and detoxification in <i>Helicoverpa armigera</i> and <i>Heliothis virescens</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 78, 69-77.	1.2	45
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56	Discovery of 2-((3-cyanopyridin-2-yl)thio)acetamides as human lactate dehydrogenase A inhibitors to reduce the growth of MG-63 osteosarcoma cells: Virtual screening and biological validation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3984-3987.	1.0	18
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65	Tautomerism and stereodynamics in Schiff bases from gossypol and hemigossypol with<i>N</i>-aminoheterocycles. Organic and Biomolecular Chemistry, 2019, 17, 6229-6250.	1.5	13
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79	<i>Cryptosporidium</i> Lactate Dehydrogenase Is Associated with the Parasitophorous Vacuole Membrane and Is a Potential Target for Developing Therapeutics. <i>PLoS Pathogens</i> , 2015, 11, e1005250.	2.1	48
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