

Therapeutic potential of gossypol: An overview

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Identification of glucuronidation and biliary excretion as the main mechanisms for gossypol clearance: in vivo and in vitro evidence. <i>Xenobiotica</i> , 2014, 44, 696-707.	0.5	39
2	Synthesis and anti-HIV-1 activity of the conjugates of gossypol with oligopeptides and d-glucosamine. <i>Chinese Chemical Letters</i> , 2014, 25, 1052-1056.	4.8	11
3	Gossypol induces apoptosis in multiple myeloma cells by inhibition of interleukin-6 signaling and Bcl-2/Mcl-1 pathway. <i>International Journal of Oncology</i> , 2014, 45, 2778-2286.	1.4	29
4	Synthetic and Biological Studies of Sesquiterpene Polygodial: Activity of 9-Epipolygodial against Drug-Resistant Cancer Cells. <i>ChemMedChem</i> , 2015, 10, 2014-2026.	1.6	22
5	Small-molecule BH3 mimetic and pan-Bcl-2 inhibitor AT-101 enhances the antitumor efficacy of cisplatin through inhibition of APE1 repair and redox activity in non-small-cell lung cancer. <i>Drug Design, Development and Therapy</i> , 2015, 9, 2887.	2.0	20
6	Preparation of novel (-)-gossypol nanoparticles and the effect on growth inhibition in human prostate cancer PC-3 cells in vitro. <i>Experimental and Therapeutic Medicine</i> , 2015, 9, 675-678.	0.8	8
7	Screening of novel inhibitors targeting lactate dehydrogenase A via four molecular docking strategies and dynamics simulations. <i>Journal of Molecular Modeling</i> , 2015, 21, 133.	0.8	19
8	AT-101 inhibits hedgehog pathway activity and cancer growth. <i>Cancer Chemotherapy and Pharmacology</i> , 2015, 76, 461-469.	1.1	18
9	Natural product (-)-gossypol inhibits colon cancer cell growth by targeting RNA-binding protein Musashi-1. <i>Molecular Oncology</i> , 2015, 9, 1406-1420.	2.1	116
10	Gossypol induces pyroptosis in mouse macrophages via a non-canonical inflammasome pathway. <i>Toxicology and Applied Pharmacology</i> , 2016, 292, 56-64.	1.3	25
12	Expression in <i>Pichia pastoris</i> and characterization of two novel dirigent proteins for atropselective formation of gossypol. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2021-2032.	1.7	22
13	Effects of hydroxylated benzaldehyde derivatives on radiation-induced reactions involving various organic radicals. <i>Radiation Physics and Chemistry</i> , 2018, 146, 115-120.	1.4	5
14	Synthesis and biological evaluation of water-soluble derivatives of chiral gossypol as HIV fusion inhibitors targeting gp41. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 49-52.	1.0	12
15	Preclinical and Clinical Evidence of Safety of Antiviral Drug with Immunomodulatory Activity. <i>Serbian Journal of Experimental and Clinical Research</i> , 2018, 19, 271-276.	0.2	3
16	Antimicrobial Compounds Effective against <i>Candidatus Liberibacter asiaticus</i> Discovered via Graft-based Assay in Citrus. <i>Scientific Reports</i> , 2018, 8, 17288.	1.6	14
17	Effect of the BH3 Mimetic Polyphenol (-)-Gossypol (AT-101) on the in vitro and in vivo Growth of Malignant Mesothelioma. <i>Frontiers in Pharmacology</i> , 2018, 9, 1269.	1.6	27
18	Gossypol from Cottonseeds Ameliorates Glucose Uptake by Mimicking Insulin Signaling and Improves Glucose Homeostasis in Mice with Streptozotocin-Induced Diabetes. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	1.9	11
19	Enantiomeric Mixtures in Natural Product Chemistry: Separation and Absolute Configuration Assignment. <i>Molecules</i> , 2018, 23, 492.	1.7	49

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20	The anti-angiogenic potential of (±)-gossypol in comparison to suramin. <i>Cytotechnology</i> , 2018, 70, 1537-1550.	0.7	8
21	Virtual Screening of Phytochemicals. , 2018, , 301-334.		1
22	Highly Enantioselective Semisynthesis of (+)/(âˆ“) -Gossypol Schiff Base Derivatives from Ground Plant Material. <i>Journal of Natural Products</i> , 2019, 82, 1779-1790.	1.5	4
23	From Petri Dish to Patient: Bioavailability Estimation and Mechanism of Action for Antimicrobial and Immunomodulatory Natural Products. <i>Frontiers in Microbiology</i> , 2019, 10, 2470.	1.5	45
24	Gossypol Induces Disruption of Spermatogenesis and Steroidogenesis in Male Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2075-2085.	2.4	21
25	Discovery of antichagasic inhibitors by high-throughput screening with <i>Trypanosoma cruzi</i> glucokinase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1948-1953.	1.0	10
26	Structures of Complexes of Gossypol with Ferrous Sulfate Based on Highâ€Performance Liquid Chromatography Separation, Spectroscopic Analysis, and PM3 calculations. <i>ChemistrySelect</i> , 2019, 4, 5484-5488.	0.7	0
27	In vivo and in vitro inhibition of osteosarcoma growth by the pan Bcl-2 inhibitor AT-101. <i>Investigational New Drugs</i> , 2020, 38, 675-689.	1.2	11
28	Nigerian antimalarial plants and their anticancer potential: A review. <i>Journal of Integrative Medicine</i> , 2020, 18, 92-113.	1.4	18
29	Cancerâ€Cellâ€Specific Drug Delivery by a Tumorâ€Homing CPPâ€Gossypol Conjugate Employing a Tracelessly Cleavable Linker. <i>Chemistry - A European Journal</i> , 2020, 26, 3010-3015.	1.7	22
30	Taurine attenuates gossypol-induced apoptosis of C2C12 mouse myoblasts via the GPR87-AMPK/AKT signaling. <i>Amino Acids</i> , 2020, 52, 1285-1298.	1.2	4
31	Curse or Cure? A Perspective on the Developability of Aldehydes as Active Pharmaceutical Ingredients. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 14357-14381.	2.9	32
32	Putting the Brakes on Tumorigenesis with Natural Products of Plant Origin: Insights into the Molecular Mechanisms of Actions and Immune Targets for Bladder Cancer Treatment. <i>Cells</i> , 2020, 9, 1213.	1.8	17
33	Enantioselective Cross-Coupling for Axially Chiral Tetra-ortho-Substituted Biaryls and Asymmetric Synthesis of Gossypol. <i>Journal of the American Chemical Society</i> , 2020, 142, 8036-8043.	6.6	83
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35	Aromatization of natural products by a specialized detoxification enzyme. <i>Nature Chemical Biology</i> , 2020, 16, 250-256.	3.9	30
36	Synthesis, characterization and antioxidant activity of chitosan Schiff base derivatives bearing (âˆ“) -gossypol. <i>Carbohydrate Polymers</i> , 2020, 240, 116333.	5.1	35
37	Prenatal Exposure to Gossypol Impairs Corticogenesis of Mouse. <i>Frontiers in Neuroscience</i> , 2020, 14, 318.	1.4	7

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38	Lytic and sublytic effects of gossypol on red blood cells and thymocytes. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2021, 48, 227-237.	0.9	3
39	Testis Toxicants: Lesson from Traditional Chinese Medicine (TCM). <i>Advances in Experimental Medicine and Biology</i> , 2021, 1288, 307-319.	0.8	5
40	Targeting Protein Neddylaton to Inactivate Cullin-RING Ligases by Gossypol: A Lucky Hit or a New Start?. <i>Drug Design, Development and Therapy</i> , 2021, Volume 15, 1-8.	2.0	4
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46	Ethnobotanical and antimicrobial activities of the <i>Gossypium</i> (Cotton) genus: A review. <i>Journal of Ethnopharmacology</i> , 2021, 279, 114363.	2.0	12
47	Small Molecules as Drugs to Upregulate Metastasis Suppressors in Cancer Cells. <i>Current Medicinal Chemistry</i> , 2019, 26, 5876-5899.	1.2	7
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49	Phytochemicals: Potential Therapeutic Interventions Against Coronavirus-Associated Lung Injury. <i>Frontiers in Pharmacology</i> , 2020, 11, 588467.	1.6	33
50	The ponatinib/gossypol novel combination provides enhanced anticancer activity against murine solid Ehrlich carcinoma via triggering apoptosis and inhibiting proliferation/angiogenesis. <i>Toxicology and Applied Pharmacology</i> , 2021, 432, 115767.	1.3	6
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57	Gossypol Induces Apoptosis of Human Pancreatic Cancer Cells via CHOP/Endoplasmic Reticulum Stress Signaling Pathway. <i>Journal of Microbiology and Biotechnology</i> , 2022, 32, 645-656.	0.9	6
58	Differential expression profiling of <i>Oxycarenus laetus</i> Kirby (Hemiptera: Lygaeidae) upon exposure to gossypol. <i>Molecular Biology Reports</i> , 2022, , 1.	1.0	1
59	Anti-Candida Properties of <i>Gossypium hirsutum</i> L.: Enhancement of Fungal Growth, Biofilm Production and Antifungal Resistance. <i>Pharmaceutics</i> , 2022, 14, 698.	2.0	1
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61	Laccase-mediated synthesis of bioactive natural products and their analogues. <i>RSC Chemical Biology</i> , 2022, 3, 614-647.	2.0	33
62	Lactate Dehydrogenase as a Potential Therapeutic Drug Target to Control <i>Babesia bigemina</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 870852.	1.8	2
63	Gossypol from <i>Gossypium</i> spp. Inhibits <i>Helicobacter pylori</i> Clinical Strains and Urease Enzyme Activity: Bioactivity and Safety Assessments. <i>Scientia Pharmaceutica</i> , 2022, 90, 29.	0.7	4
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65	Structure, properties of gossypol and its derivatives from physiological activities to drug discovery and drug design. <i>Natural Product Reports</i> , 2022, 39, 1282-1304.	5.2	19
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67	Comparison of the efficacy of gossypol acetate enantiomers in rats with uterine leiomyoma. <i>Journal of Natural Medicines</i> , 2023, 77, 41-52.	1.1	2
68	Carrier free nanomedicine to reverse anti-apoptosis and elevate endoplasmic reticulum stress for enhanced photodynamic therapy. <i>Acta Biomaterialia</i> , 2022, 152, 507-518.	4.1	5
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70	Synthesis of Axially Chiral Biaryls via Enantioselective Ullmann Coupling of <i>ortho</i> -Chlorinated Aryl Aldehydes Enabled by a Chiral 2,2'-Bipyridine Ligand. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	16
71	Synthesis of Axially Chiral Biaryls via Enantioselective Ullmann Coupling of <i>ortho</i> -Chlorinated Aryl Aldehydes Enabled by a Chiral 2,2'-Bipyridine Ligand. <i>Angewandte Chemie</i> , 0, , .	1.6	4
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74	Role of LDH in tumor glycolysis: Regulation of LDHA by small molecules for cancer therapeutics. <i>Seminars in Cancer Biology</i> , 2022, 87, 184-195.	4.3	50
75	APPLICATION OF MATHEMATICAL MODELING AND PHYSICO-CHEMICAL ANALYSIS METHODS IN THE PREDICTION OF BIOLOGICAL ACTIVITY AND QUALITY CONTROL OF GOSSYPOL DERIVATIVES. <i>International Journal of Applied Pharmaceutics</i> , 0, , 120-126.	0.3	0

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76	Gossypol and Its Natural Derivatives: Multitargeted Phytochemicals as Potential Drug Candidates for Oncologic Diseases. <i>Pharmaceutics</i> , 2022, 14, 2624.	2.0	8
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