

Chemical Modification of Glycyrrhizic Acid As A Route to Medicine

Current Medicinal Chemistry

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Citation Report

#	ARTICLE	IF	CITATIONS
1	SARS: What have we learned?. <i>Nature</i> , 2003, 424, 121-126.	27.8	80
2	Treatment and prevention of equine gastric ulcer syndrome. <i>Veterinary Clinics of North America Equine Practice</i> , 2003, 19, 575-597.	0.7	56
3	Is the SARS virus mutating?. <i>Nature</i> , 2003, , .	27.8	1
4	Severe acute respiratory syndrome and dentistry. <i>Journal of the American Dental Association</i> , 2004, 135, 1292-1302.	1.5	119
5	Cytoprotective effects of <i>Glycyrrhizae radix</i> extract and its active component liquiritigenin against cadmium-induced toxicity (effects on bad translocation and cytochrome c-mediated PARP cleavage). <i>Toxicology</i> , 2004, 197, 239-251.	4.2	119
6	Complementary and alternative interventions in asthma, allergy, and immunology. <i>Annals of Allergy, Asthma and Immunology</i> , 2004, 93, S45-S54.	1.0	120
7	Synthesis and in Vitro Antioxidant Activity of Glycyrrhetic Acid Derivatives Tested with the Cytochrome P450/NADPH System. <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 1436-1439.	1.3	28
8	Separation and analysis of glycyrrhizin, 18 β -glycyrrhetic acid and 18 α -glycyrrhetic acid in liquorice roots by means of capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2005, 1081, 65-71.	3.7	56
9	Development of antiviral therapy for severe acute respiratory syndrome. <i>Antiviral Research</i> , 2005, 66, 81-97.	4.1	62
10	Botanical immunodrugs: scope and opportunities. <i>Drug Discovery Today</i> , 2005, 10, 495-502.	6.4	153
11	Ethosomes for skin delivery of ammonium glycyrrhizinate: In vitro percutaneous permeation through human skin and in vivo anti-inflammatory activity on human volunteers. <i>Journal of Controlled Release</i> , 2005, 106, 99-110.	9.9	281
12	Synthesis of Triterpene Derivatives of D-Glucosamine - Modified Analogs of Glycyrrhizic Acid. <i>Chemistry of Natural Compounds</i> , 2005, 41, 7-10.	0.8	4
13	Naturally derived anti-HIV agents. <i>Phytotherapy Research</i> , 2005, 19, 557-581.	5.8	147
14	Recent Developments in Lipid Drugs. <i>Mini-Reviews in Medicinal Chemistry</i> , 2005, 5, 489-498.	2.4	4
15	Anti-inflammatory Activity of CML-1: An Herbal Formulation. <i>The American Journal of Chinese Medicine</i> , 2005, 33, 29-40.	3.8	21
16	Juzentaihoto, a Kampo medicine, enhances IL-12 production by modulating Toll-like receptor 4 signaling pathways in murine peritoneal exudate macrophages. <i>International Immunopharmacology</i> , 2005, 5, 871-882.	3.8	35
17	Antiviral Activity of Glycyrrhizic Acid Derivatives against SARS β Coronavirus. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 1256-1259.	6.4	334
18	Anti-AIDS Agents 69. Moronic Acid and Other Triterpene Derivatives as Novel Potent Anti-HIV Agents. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 5462-5469.	6.4	113

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19	Simultaneous HPLC analysis, with isocratic elution, of glycyrrhizin and glycyrrhetic acid in liquorice roots and confectionery products. <i>Phytochemical Analysis</i> , 2006, 17, 25-31.	2.4	44
21	Synthesis of glycyrrhizic acid conjugates containing L-lysine. <i>Chemistry of Natural Compounds</i> , 2006, 42, 543-548.	0.8	8
22	Phytotherapy of cough. <i>Advances in Phytomedicine</i> , 2006, 2, 111-131.	0.1	12
23	Structure-dependent activity of glycyrrhetic acid derivatives as peroxisome proliferator-activated receptor β agonists in colon cancer cells. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 1588-1598.	4.1	81
24	Activation of rapid signaling pathways and the subsequent transcriptional regulation for the proliferation of breast cancer MCF-7 cells by the treatment with an extract of <i>Glycyrrhiza glabra</i> root. <i>Food and Chemical Toxicology</i> , 2007, 45, 2470-2478.	3.6	77
25	CML-1 inhibits TNF- α -induced NF- κ B activation and adhesion molecule expression in endothelial cells through inhibition of I κ B kinase. <i>Journal of Ethnopharmacology</i> , 2007, 109, 78-86.	4.1	41
26	Inhibitory effects of Hu-qi-yin on the bleomycin-induced pulmonary fibrosis in rats. <i>Journal of Ethnopharmacology</i> , 2007, 111, 255-264.	4.1	28
27	<i>Veterinary Herbal Medicine: A Systems-Based Approach.</i> , 2007, , 291-409.		27
28	Mechanism of anti-inflammatory action of liquorice extract and glycyrrhizin. <i>Natural Product Research</i> , 2007, 21, 1234-1241.	1.8	74
29	Antitumor agents. 256. Conjugation of paclitaxel with other antitumor agents: Evaluation of novel conjugates as cytotoxic agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 2894-2898.	2.2	29
30	On the way to low-dose medicines. <i>Herald of the Russian Academy of Sciences</i> , 2007, 77, 447-453.	0.6	12
32	In vitro and in vivo evaluation of Bola-surfactant containing niosomes for transdermal delivery. <i>Biomedical Microdevices</i> , 2007, 9, 421-433.	2.8	81
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35	Chemoprofile and bioactivities of <i>Taverniera cuneifolia</i> (Roth) Arn.: A wild relative and possible substitute of <i>Glycyrrhiza glabra</i> L.. <i>Phytomedicine</i> , 2008, 15, 292-300.	5.3	25
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37	Development of high-throughput screening system for osteogenic drugs using a cell-based sensor. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 375-379.	2.1	22
38	Cytoprotective Activity of <i>Glycyrrhizae radix</i> Extract against Arsenite-Induced Cytotoxicity. <i>Evidence-based Complementary and Alternative Medicine</i> , 2008, 5, 165-171.	1.2	20

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39	Nuclear factor kappa B and hepatitis viruses. <i>Expert Opinion on Therapeutic Targets</i> , 2008, 12, 265-280.	3.4	8
40	Juzen-taiho-to, an Herbal Medicine, Activates and Enhances Phagocytosis in Microglia/Macrophages. <i>Tohoku Journal of Experimental Medicine</i> , 2008, 215, 43-54.	1.2	19
42	Antiviral Properties of Glycyrrhizic Acid and its Semisynthetic Derivatives. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 996-1001.	2.4	42
43	The Complexes of Drugs with Carbohydrate-Containing Plant Metabolites as Pharmacologically Promising Agents. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 1317-1328.	2.4	59
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45	Glycyrrhizin inhibits influenza A virus uptake into the cell. <i>Antiviral Research</i> , 2009, 83, 171-178.	4.1	152
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47	Efficient synthesis of glycyrrhetic acid glycoside/glucuronide derivatives using silver zeolite as promoter. <i>Carbohydrate Research</i> , 2009, 344, 1063-1071.	2.3	9
48	Synthesis of new derivatives of 3 β -hydroxy-18 β -H-olean-9,12-dien-30-oic acid. <i>Chemistry of Natural Compounds</i> , 2009, 45, 393-397.	0.8	14
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50	Prospects for the creation of new antiviral drugs based on glycyrrhizic acid and its derivatives (a) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3	0.8	66
51	Optimization of Microwave-Assisted Extraction for the Determination of Glycyrrhizin in Menthazin Herbal Drug by Experimental Design Methodology. <i>Chromatographia</i> , 2009, 70, 191-197.	1.3	15
52	Glycyrrhizic acid modulates t-BHP induced apoptosis in primary rat hepatocytes. <i>Food and Chemical Toxicology</i> , 2009, 47, 339-347.	3.6	69
53	Ammonium Glycyrrhizinate Protects Gastric Epithelial Cells from Hydrogen Peroxide-Induced Cell Death. <i>Experimental Biology and Medicine</i> , 2009, 234, 263-277.	2.4	17
54	The Mevalonate and Methylerythritol Phosphate Pathways: Terpenoids and Steroids. , 0, , 187-310.		18
55	Hybrids of 3 β -methoxyserrat-14-en-21 β -ol (PJ-1) and 3 β -methoxyserrat-14-en-21 β -ol (PJ-2) and various anti-oxidants as cancer chemopreventive agents. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 2191-2197.	5.5	7
56	Synthesis and biological activity of some antitumor active derivatives from glycyrrhetic acid. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 5718-5723.	5.5	56
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60	Synthesis and crystal structures of ring A modified glycyrrhetic acid derivatives derived from 2,3-oxirane and 2,3-thiirane intermediates. <i>Tetrahedron</i> , 2010, 66, 4390-4402.	1.9	15
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64	Effects of Glycyrrhizic Acid on Peroxisome Proliferator-Activated Receptor Gamma (PPAR γ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Lipase (LPL), Serum Lipid and HOMA-IR in Rats. <i>PPAR Research</i> , 2010, 2010, 1-6.	2.4	33
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66	Cellular radioprotecting potential of glycyrrhizic acid, silver nanoparticle and their complex. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 723, 51-57.	1.7	17
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69	Synthesis and antitumor activity of ring A modified glycyrrhetic acid derivatives. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5356-5369.	5.5	62
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71	Conjugates of 3 β -methoxyserrat-14-en-21 β -ol (PJ-1) and 3 β -methoxyserrat-14-en-21 α -ol (PJ-2) as cancer chemopreventive agents. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 3368-3375.	5.5	4
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81	Conversions at Câ€³0 of Glycyrrhetic Acid and Their Impact on Antitumor Activity. Archiv Der Pharmazie, 2012, 345, 223-230.	4.1	27
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99	Aggregation property of glycyrrhizic acid and its interaction with cyclodextrins analyzed by dynamic light scattering, isothermal titration calorimetry, and NMR. <i>Carbohydrate Research</i> , 2014, 392, 25-30.	2.3	10
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101	Effect of Neighbors on the Conformational Preferences of Glycosidic Linkages in Glycyrrhizic Acid and Its Mono- and Dideprotonated Forms: X-ray, NMR, and Computational Studies. <i>Crystal Growth and Design</i> , 2014, 14, 5871-5880.	3.0	8
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103	Synthesis and evaluation of triazole linked glycosylated 18Î²-glycyrrhetic acid derivatives as anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3865-3868.	2.2	29
104	New Amino-Acid Conjugates of Glycyrrhizic Acid. <i>Chemistry of Natural Compounds</i> , 2014, 50, 317-320.	0.8	7
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108	First Occurrence of a Furano-glycyrrhetinoate and Its Cytotoxicity. <i>Archiv Der Pharmazie</i> , 2015, 348, 889-896.	4.1	5
109	Effect of Silver Nanoparticle - Glycyrrhizic Acid Complexes in Ameliorating Drug Induced Oxidative Stress. <i>Advanced Materials Research</i> , 2015, 1086, 31-42.	0.3	0
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118	18 β -Glycyrrhetic acid inhibits the viability of HR5-CL11 cervical carcinoma cells through induction of apoptosis and DNA damage. <i>Bangladesh Journal of Pharmacology</i> , 2016, 11, 750.	0.4	0
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124	SZC015, a synthetic oleanolic acid derivative, induces both apoptosis and autophagy in MCF-7 breast cancer cells. <i>Chemico-Biological Interactions</i> , 2016, 244, 94-104.	4.0	48
125	A Systematic Review of Iran's Medicinal Plants With Anticancer Effects. <i>Journal of Evidence-Based Complementary & Alternative Medicine</i> , 2016, 21, 143-153.	1.5	61
126	Glycyrrhizin inhibits porcine epidemic diarrhea virus infection and attenuates the proinflammatory responses by inhibition of high mobility group box-1 protein. <i>Archives of Virology</i> , 2017, 162, 1467-1476.	2.1	39
127	Comparison of glycyrrhizin content in 25 major kinds of Kampo extracts containing <i>Glycyrrhizae Radix</i> used clinically in Japan. <i>Journal of Natural Medicines</i> , 2017, 71, 711-722.	2.3	21
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131	Identification of isoliquiritigenin as an activator that stimulates the enzymatic production of glycyrrhetic acid monoglucuronide. <i>Scientific Reports</i> , 2017, 7, 12503.	3.3	2
132	Synthesis and antiviral activity of novel glycyrrhizic acid conjugates with D-amino acid esters. <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 456-462.	1.0	10
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134	Thermosensitive Triterpenoid-Appended Polymers with Broad Temperature Tunability Regulated by Host-Guest Chemistry. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2231-2236.	3.3	9
135	Novel unsaturated glycyrrhetic acids derivatives: Design, synthesis and anti-inflammatory activity. <i>European Journal of Medicinal Chemistry</i> , 2017, 139, 337-348.	5.5	30
136	The Pharmacological Activities of Glycyrrhizic Acid (Glycyrrhizin) and Glycyrrhetic Acid. <i>Reference Series in Phytochemistry</i> , 2018, , 245-261.	0.4	28
137	Glycyrrhiza glabra: Chemistry and Pharmacological Activity. <i>Reference Series in Phytochemistry</i> , 2018, , 87-100.	0.4	47
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