

Phenylethanoid Glycosides: Research Advances in Their Activity and Pharmacokinetics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Profiling hydroxycinnamic acid glycosides, iridoid glycosides, and phenylethanoid glycosides in baobab fruit pulp (<i>Adansonia digitata</i>). <i>Food Research International</i> , 2017, 99, 755-761.	2.9	42
2	Comparison of the Chemical Profiles and Antioxidant Activities of Different Parts of Cultivated <i>Cistanche deserticola</i> Using Ultra Performance Liquid Chromatography-Quadrupole Time-of-Flight Mass Spectrometry and a 1,1-Diphenyl-2-picrylhydrazyl-Based Assay. <i>Molecules</i> , 2017, 22, 2011.	1.7	18
3	Total phenylethanoid glycosides and magnololide I _a from <i>Magnolia officinalis</i> var. <i>biloba</i> fruits inhibit ultraviolet B-induced phototoxicity and inflammation through MAPK/NF- κ B signaling pathways. <i>RSC Advances</i> , 2018, 8, 4362-4371.	1.7	7
4	Antiphytoviral toxins of <i>Actinidia chinensis</i> root bark (ACRB) extract: laboratory and semi-field trials. <i>Pest Management Science</i> , 2018, 74, 1630-1636.	1.7	9
5	<i>Prunus tomentosa</i> seed waste as a source of aromatic glycosides: Valuable phytochemicals with β -glucosidase inhibitory and hepatoprotective properties. <i>Industrial Crops and Products</i> , 2018, 111, 590-596.	2.5	6
6	Phenylethanoid glycosides accumulation in roots of <i>Scrophularia striata</i> as a response to water stress. <i>Environmental and Experimental Botany</i> , 2018, 147, 13-21.	2.0	27
7	Bioactive Constituents of <i>Lamium album</i> L. as Inhibitors of Cytokine Secretion in Human Neutrophils. <i>Molecules</i> , 2018, 23, 2770.	1.7	13
8	Phenylethanoid glycoside from <i>Forsythia koreana</i> (Oleaceae) flowers shows a neuroprotective effect. <i>Revista Brasileira De Botanica</i> , 2018, 41, 523-528.	0.5	8
9	Water stress alleviation by polyamines and phenolic compounds in <i>Scrophularia striata</i> is mediated by NO and H ₂ O ₂ . <i>Plant Physiology and Biochemistry</i> , 2018, 130, 139-147.	2.8	15
10	Determination of the Phenolic Profile and Antioxidant Properties of <i>Salvia viridis</i> L. Shoots: A Comparison of Aqueous and Hydroethanolic Extracts. <i>Molecules</i> , 2018, 23, 1468.	1.7	42
11	Comparative transcriptome analyses of three medicinal <i>Forsythia</i> species and prediction of candidate genes involved in secondary metabolisms. <i>Journal of Natural Medicines</i> , 2018, 72, 867-881.	1.1	15
12	An Integrated Approach to Characterize Intestinal Metabolites of Four Phenylethanoid Glycosides and Intestinal Microbe-Mediated Antioxidant Activity Evaluation In Vitro Using UHPLC-Q-Exactive High-Resolution Mass Spectrometry and a 1,1-Diphenyl-2-picrylhydrazyl-Based Assay. <i>Frontiers in Pharmacology</i> , 2019, 10, 826.	1.6	21
13	Effect of stirring speed on the production of phenolic secondary metabolites and growth of <i>Buddleja cordata</i> cells cultured in mechanically agitated bioreactor. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 139, 155-166.	1.2	14
14	A Review of Biologically Active Natural Products from a Desert Plant &Cistanche tubulosa. <i>Chemical and Pharmaceutical Bulletin</i> , 2019, 67, 675-689.	0.6	39
15	Synthesis of Forsythenethoside A, a Neuroprotective Macrocyclic Phenylethanoid Glycoside, and NMR Analysis of Conformers. <i>Journal of Organic Chemistry</i> , 2019, 84, 13733-13743.	1.7	9
16	Simultaneous Quantification of Four Phenylethanoid Glycosides in Rat Plasma by UPLC-MS/MS and Its Application to a Pharmacokinetic Study of <i>Acanthus ilicifolius</i> Herb. <i>Molecules</i> , 2019, 24, 3117.	1.7	9
17	An orally administered magnololide A ameliorates functional dyspepsia by modulating brain-gut peptides and gut microbiota. <i>Life Sciences</i> , 2019, 233, 116749.	2.0	22
18	Review of the Ethnopharmacology, Phytochemistry, and Pharmacology of the Genus <i>Veronica</i> . <i>The American Journal of Chinese Medicine</i> , 2019, 47, 1193-1221.	1.5	17

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19	Synthesis of Diverse Hydroxycinnamoyl Phenylethanoid Esters Using <i>Escherichia coli</i> . Journal of Agricultural and Food Chemistry, 2019, 67, 2028-2035.	2.4	7
20	Identification of phytotoxic metabolites released from <i>Rehmannia glutinosa</i> suggest their importance in the formation of its replant problem. Plant and Soil, 2019, 441, 439-454.	1.8	28
21	Treatment with 3,4-dihydroxyphenylethyl alcohol glycoside ameliorates sepsis-induced ALI in mice by reducing inflammation and regulating M1 polarization. Biomedicine and Pharmacotherapy, 2019, 116, 109012.	2.5	26
22	Purification of 3, 4-dihydroxyphenylethyl alcohol glycoside from <i>Sargentodoxa cuneata</i> (Oliv.) Rehd. et Wils. and its protective effects against DSS-induced colitis. Scientific Reports, 2019, 9, 3222.	1.6	6
23	Rapid extraction, discrimination and quantification of thermally unstable isomeric acteoside and isoacteoside in natural products by online extraction-quadrupole time-of-flight tandem mass spectrometry. Analytical Methods, 2019, 11, 2148-2154.	1.3	7
24	An overview of the two-phase solvent systems used in the countercurrent separation of phenylethanoid glycosides and iridoids and their biological relevance. Phytochemistry Reviews, 2019, 18, 377-403.	3.1	18
25	Profiling and isomer recognition of phenylethanoid glycosides from <i>Magnolia officinalis</i> based on diagnostic/holistic fragment ions analysis coupled with chemometrics. Journal of Chromatography A, 2020, 1611, 460583.	1.8	14
26	Characterisation of phenylethanoid glycosides by multiple-stage mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8563.	0.7	5
27	6-O-(3,4-dihydroxyphenylethyl)-trans-cinnamoyl- β -D-glucopyranosylcatalpol and verbascoside: Cytotoxicity, cell cycle kinetics, apoptosis, and ROS production evaluation in tumor cells. Journal of Biochemical and Molecular Toxicology, 2020, 34, e22443.	1.4	12
28	Multi-modular engineering of <i>Saccharomyces cerevisiae</i> for high-titre production of tyrosol and salidroside. Microbial Biotechnology, 2021, 14, 2605-2616.	2.0	40
29	Anti-obesity effect of fresh and browned <i>Magnolia denudata</i> flowers in a high fat diet murine model. Journal of Functional Foods, 2020, 75, 104227.	1.6	5
30	Therapeutic potential of phenylethanoid glycosides: A systematic review. Medicinal Research Reviews, 2020, 40, 2605-2649.	5.0	80
31	Six Natural Phenylethanoid Glycosides: Total Synthesis, Antioxidant and Tyrosinase Inhibitory Activities. ChemistrySelect, 2020, 5, 10817-10820.	0.7	4
32	Production of Verbascoside, Isoverbascoside and Phenolic Acids in Callus, Suspension, and Bioreactor Cultures of <i>Verbena officinalis</i> and Biological Properties of Biomass Extracts. Molecules, 2020, 25, 5609.	1.7	21
33	Studies on Bignoniaceae: Newbouldiosides D α - β -SF, Minor Phenylethanoid Glycosides from <i>Newbouldia laevis</i> , and New Flavonoids from <i>Markhamia zanzibarica</i> and <i>Spathodea campanulata</i> . Planta Medica, 2021, 87, 989-997.	0.7	3
34	Anthelmintic A-Type Procyanidins and Further Characterization of the Phenolic Composition of a Root Extract from <i>Paullinia pinnata</i> . Molecules, 2020, 25, 2287.	1.7	7
35	Phytochemical composition and biological activities of <i>Orobancha crenata</i> Forssk.: a review. Natural Product Research, 2021, 35, 4579-4595.	1.0	9
36	Phytochemical parasite-host relations and interactions: A <i>Cistanche armena</i> case study. Science of the Total Environment, 2020, 716, 137071.	3.9	20

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37	Anti-pruritic and anti-inflammatory effects of natural verbascoside through selective inhibition of temperature-sensitive Ca ²⁺ -permeable TRPV3 channel. <i>Journal of Dermatological Science</i> , 2020, 97, 229-231.	1.0	16
38	Hepatoprotective effects of total phenylethanoid glycosides from <i>Acanthus ilicifolius</i> L. against carbon tetrachloride-induced hepatotoxicity. <i>Journal of Ethnopharmacology</i> , 2020, 256, 112795.	2.0	18
39	A trisaccharide phenylethanoid glycoside from <i>Scrophularia flava</i> Grau with potential anti-type 2 diabetic properties by inhibiting I \pm -glucosidase enzyme and decreasing oxidative stress. <i>Bioorganic Chemistry</i> , 2020, 99, 103776.	2.0	3
40	Analysis of phenylethanoids and their glycosidic derivatives. , 2020, , 221-254.		7
41	Natural phenylethanoid glycosides isolated from <i>Callicarpa kwangtungensis</i> suppressed lipopolysaccharide-mediated inflammatory response via activating Keap1/Nrf2/HO-1 pathway in RAW 264.7 macrophages cell. <i>Journal of Ethnopharmacology</i> , 2020, 258, 112857.	2.0	29
42	Cultures of Medicinal Plants In Vitro as a Potential Rich Source of Antioxidants. <i>Reference Series in Phytochemistry</i> , 2021, , 1-44.	0.2	1
43	Concise Synthesis of Eutigoside C. <i>Heterocycles</i> , 2021, 102, 1791.	0.4	2
44	Optimizing Conditions for Microwave-Assisted Extraction of Polyphenolic Content and Antioxidant Activity of <i>Barleria lupulina</i> Lindl.. <i>Plants</i> , 2021, 10, 682.	1.6	14
45	Chemical Fractionation Joint to In-Mixture NMR Analysis for Avoiding the Hepatotoxicity of <i>Teucrium chamaedrys</i> L. subsp. <i>chamaedrys</i> . <i>Biomolecules</i> , 2021, 11, 690.	1.8	2
46	Phytochemical and antioxidant analysis of medicinal and food plants towards bioactive food and pharmaceutical resources. <i>Scientific Reports</i> , 2021, 11, 10041.	1.6	118
47	Review of Studies on <i>Phlomis</i> and <i>Eremostachys</i> Species (Lamiaceae) with Emphasis on Iridoids, Phenylethanoid Glycosides, and Essential Oils. <i>Planta Medica</i> , 2021, 87, 1128-1151.	0.7	8
48	Taxonomic synopsis of medicinal Lamiales species used in Alta Floresta, Mato Grosso, Brazil: Potentialities for the Unified Health System. <i>Research, Society and Development</i> , 2021, 10, e340101119686.	0.0	0
49	Three new naphthoquinones from the tubers of <i>Sinningia mauroana</i> . <i>Natural Product Research</i> , 2023, 37, 263-268.	1.0	4
50	Phytochemical Analysis and Anti-Inflammatory and Anti-Osteoarthritic Bioactive Potential of <i>Verbascum thapsus</i> L. (Scrophulariaceae) Leaf Extract Evaluated in Two In Vitro Models of Inflammation and Osteoarthritis. <i>Molecules</i> , 2021, 26, 5392.	1.7	4
51	Daily dynamics of intermediate metabolite profiles lead to time-dependent phenylethanoid glycosides production in <i>Scrophularia striata</i> during the day/night cycle. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 225, 112326.	1.7	4
52	Correlational nutritional relationships and interactions between expansive holoparasite <i>Orobancha laxissima</i> and woody hosts on metal-rich soils. <i>Phytochemistry</i> , 2021, 190, 112844.	1.4	7
53	Identification of the functional food ingredients with antithrombotic properties via virtual screen and experimental studies. <i>Food Chemistry</i> , 2021, 362, 130237.	4.2	11
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55	Discovery of Glycosyltransferases Involved in the Biosynthesis of Ligupurpuroside B. <i>Organic Letters</i> , 2021, 23, 7851-7854.	2.4	7
56	Comparative hormonal and metabolic profile analysis based on mass spectrometry provides information on the regulation of water-deficit stress response of sunflower (<i>Helianthus annuus</i> L.) inbred lines with different water-deficit stress sensitivity. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 432-446.	2.8	5
57	A sustainable approach to phenylethanoid glycopyranosides: Study of glycosylations promoted by zinc salts. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 24, 100537.	1.6	1
58	Herbal glycosides in healthcare. , 2022, , 239-282.		9
59	Phenylethanoid glycosides as a possible COVID-19 protease inhibitor: a virtual screening approach. <i>Journal of Molecular Modeling</i> , 2021, 27, 341.	0.8	10
60	Cistanoside ameliorates hypoxia-induced male reproductive damage via suppression of oxidative stress. <i>American Journal of Translational Research (discontinued)</i> , 2021, 13, 4342-4359.	0.0	0
61	Lack of salidroside impact on selected cytochromes encoding genes transcription in the liver of ethanol induced rats. <i>Herba Polonica</i> , 2021, 67, 53-65.	0.2	0
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63	<i>Piriformospora indica</i> induces phenylethanoid glycosides production and defense responses in <i>Scrophularia striata</i> cell culture. <i>Plant Cell, Tissue and Organ Culture</i> , 2022, 149, 381-395.	1.2	2
64	Chemical profiling and unraveling of anti-COVID-19 biomarkers of red sage (<i>Lantana camara</i> L.) cultivars using UPLC-MS/MS coupled to chemometric analysis, in vitro study and molecular docking. <i>Journal of Ethnopharmacology</i> , 2022, 291, 115038.	2.0	11
65	Phenylpropanoid Glycoside and Phenolic Acid Profiles and Biological Activities of Biomass Extracts from Different Types of <i>Verbena officinalis</i> Microshoot Cultures and Soil-Grown Plant. <i>Antioxidants</i> , 2022, 11, 409.	2.2	5
66	3,4-dihydroxyphenylethyl alcohol glycoside reduces acetaminophen-induced acute liver failure in mice by inhibiting hepatocyte ferroptosis and pyroptosis. <i>PeerJ</i> , 2022, 10, e13082.	0.9	11
67	Phytochemicals and Biological Activities of <i>Barleria</i> (Acanthaceae). <i>Plants</i> , 2022, 11, 82.	1.6	15
68	Synthesis of Tyrosol and Hydroxytyrosol Glycofuranosides and Their Biochemical and Biological Activities in Cell-Free and Cellular Assays. <i>Molecules</i> , 2021, 26, 7607.	1.7	1
69	A review of the ethnomedicinal uses, chemistry, and pharmacological properties of the genus <i>Acanthus</i> (Acanthaceae). <i>Journal of Ethnopharmacology</i> , 2022, 293, 115271.	2.0	8
71	Comparative analysis of the chemical constituents and in vitro antioxidant activities of different aqueous extracts of <i>Cistanche phelypaea</i> (L.) Cout. from Algeria. <i>South African Journal of Botany</i> , 2022, 148, 259-267.	1.2	1
72	Cultures of Medicinal Plants In Vitro as a Potential Rich Source of Antioxidants. <i>Reference Series in Phytochemistry</i> , 2022, , 267-309.	0.2	0
73	Tubuloside B, isolated from <i>Cistanche tubulosa</i> , a promising agent against M1 macrophage activation via synergistically targeting Mob1 and ERK1/2. <i>Biomedicine and Pharmacotherapy</i> , 2022, 153, 113414.	2.5	3

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75	Herbal products of <i>Plantago</i> species: International patents survey. <i>Journal of Herbal Medicine</i> , 2022, 36, 100603.	1.0	1
76	Effective materials and mechanisms study of Tibetan herbal medicine <i>Lagotis integra</i> W. W. Smith treating DSS-induced ulcerative colitis based on network pharmacology, molecular docking and experimental validation. <i>Journal of Ethnopharmacology</i> , 2023, 301, 115800.	2.0	5
78	<i>Scutellaria incarnata</i> Vent. root extract and isolated phenylethanoid glycosides are neuroprotective against C2-ceramide toxicity. <i>Journal of Ethnopharmacology</i> , 2023, 307, 116218.	2.0	1
79	In silico screening of phenylethanoid glycosides, a class of pharmacologically active compounds as natural inhibitors of SARS-CoV-2 proteases. <i>Computational and Structural Biotechnology Journal</i> , 2023, 21, 1461-1472.	1.9	3
80	The efficacy of <i>Plantago asiatica</i> L. water extract on lipid metabolism in a high-fat diet-induced obese C57BL/6 mice. <i>Molecular and Cellular Toxicology</i> , 2024, 20, 399-408.	0.8	0
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86	Biological phenethyl glycosides from plants. , 2023, , 587-611.		0
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90	Robinosylation of tyrosol by seed meal from <i>Rhamnus cathartica</i> . <i>Chemical Papers</i> , 2023, 77, 7993-7998.	1.0	0