Screening of ferulic acid related compounds as inhibitor cyclooxygenase-2 with anti-inflammatory activity

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Citation Report

IF CITATIONS

1	Antioxidative, anti-inflammatory potentials and phytochemical profile of Commiphora africana (A.) Tj ETQq0 0 0 Asian Pacific Journal of Tropical Biomedicine, 2016, 6, 665-670.	rgBT /Ove 1.2	rlock 10 Tf 5 17
2	Mechanism of action and interactions between xanthine oxidase inhibitors derived from natural sources of chlorogenic and ferulic acids. Food Chemistry, 2017, 225, 138-145.	8.2	48
3	Evaluation of interactions between coffee and cardamom, their type, and strength in relation to interactions in a model system. CYTA - Journal of Food, 2017, 15, 266-276.	1.9	10
4	A systems pharmacology perspective to decipher the mechanism of action of Parangichakkai chooranam , a Siddha formulation for the treatment of psoriasis. Biomedicine and Pharmacotherapy, 2017, 88, 74-86.	5.6	14
5	Ferulic Acid and Naturally Occurring Compounds Bearing a Feruloyl Moiety: A Review on Their Structures, Occurrence, and Potential Health Benefits. Comprehensive Reviews in Food Science and Food Safety, 2017, 16, 580-616.	11.7	102
6	Flavonoids as detoxifying and pro-survival agents: What's new?. Food and Chemical Toxicology, 2017, 110, 240-250.	3.6	28
7	Bioavailability and anti-inflammatory activity of phenolic acids found in spray-dried nejayote after its in vitro digestion. Journal of Functional Foods, 2017, 39, 37-43.	3.4	17
8	Reuse potential of vegetable wastes (broccoli, green bean and tomato) for the recovery of antioxidant phenolic acids and flavonoids. International Journal of Food Science and Technology, 2017, 52, 98-107.	2.7	46
9	Fucoidan from Undaria pinnatifida regulates type II collagen and COX-2 expression via MAPK and PI3K pathways in rabbit articular chondrocytes. Biologia (Poland), 2017, 72, 1362-1369.	1.5	11
10	Solvent extraction of caffeoylquinic acids from Artemisia selengensis Turcz leaves and their in vitro inhibitory activities on xanthine oxidase. Industrial Crops and Products, 2018, 118, 296-301.	5.2	12
11	Antioxidant, antiâ€inflammatory, and enzyme inhibitory activity of natural plant flavonoids and their synthesized derivatives. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22002.	3.0	85
12	Anti-inflammatory properties and phenolic profile of six Moroccan date fruit (Phoenix dactylifera L.) varieties. Journal of King Saud University - Science, 2018, 30, 519-526.	3.5	34
13	Whitening and anti-wrinkle activities of ferulic acid isolated from Tetragonia tetragonioides in B16F10 melanoma and CCD-986sk fibroblast cells. Journal of Natural Medicines, 2018, 72, 127-135.	2.3	55
14	Potential cow milk xanthine oxidase inhibitory and antioxidant activity of selected phenolic acid derivatives. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22005.	3.0	10
15	Antioxidant and Oxidative Stress: A Mutual Interplay in Age-Related Diseases. Frontiers in Pharmacology, 2018, 9, 1162.	3.5	681
16	Antioxidant Properties of Ferulic Acid and Its Possible Application. Skin Pharmacology and Physiology, 2018, 31, 332-336.	2.5	470
17	Natural products and their derivatives as cyclooxygenase-2 inhibitors. Future Medicinal Chemistry, 2018, 10, 2471-2492.	2.3	23
18	Ferulic acid and PDMS modified medical carbon materials for artificial joint prosthesis. PLoS ONE,	2.5	5

ARTICLE

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#	Article	IF	CITATIONS
19	Insights about resveratrol analogs against trypanothione reductase of <i>Leishmania braziliensis</i> : Molecular modeling, computational docking and <i>in vitro</i> antileishmanial studies. Journal of Biomolecular Structure and Dynamics, 2019, 37, 2960-2969.	3.5	16
20	Functional Ingredients based on Nutritional Phenolics. A Case Study against Inflammation: Lippia Genus. Nutrients, 2019, 11, 1646.	4.1	19
21	Evaluation of acute, subacute oral toxicity and wound healing activity of mother plant and callus of Teucrium polium L. subsp. geyrii Maire from Algeria. South African Journal of Botany, 2019, 127, 25-34.	2.5	21
22	Influence of ferulic acid consumption in ameliorating the cadmium-induced liver and renal oxidative damage in rats. Environmental Science and Pollution Research, 2019, 26, 20631-20653.	5.3	66
23	Are mutual interactions between antioxidants the only factors responsible for antagonistic antioxidant effect of their mixtures? Additive and antagonistic antioxidant effects in mixtures of gallic, ferulic and caffeic acids. European Food Research and Technology, 2019, 245, 1473-1485.	3.3	21
24	In vivo anti-inflammatory activity and UPLC-MS/MS profiling of the peels and pulps of Cucumis melo var. cantalupensis and Cucumis melo var. reticulatus. Journal of Ethnopharmacology, 2019, 237, 245-254.	4.1	23
25	Exploration of interaction mechanism of tyrosol as a potent anti-inflammatory agent. Journal of Biomolecular Structure and Dynamics, 2020, 38, 382-397.	3.5	32
26	The effectiveness of ferulic acid and microneedling in reducing signs of photoaging: A splitâ€face comparative study. Dermatologic Therapy, 2020, 33, e14000.	1.7	6
27	Biological Evaluation of Azetidine-2-One Derivatives of Ferulic Acid as Promising Anti-Inflammatory Agents. Processes, 2020, 8, 1401.	2.8	4
28	Ferulic acid protects cardiomyocytes from TNF-α/cycloheximide-induced apoptosis by regulating autophagy. Archives of Pharmacal Research, 2020, 43, 863-874.	6.3	21
29	A Lanosteryl Triterpene (RA-3) Exhibits Antihyperuricemic and Nephroprotective Effects in Rats. Molecules, 2020, 25, 4010.	3.8	6
30	Karafsin, a unique mono-acylated flavonoid apiofurnoside from the leaves of Apium graveolens var. secalinum Alef: In vitro and in vivo anti-inflammatory assessment. Industrial Crops and Products, 2020, 158, 112901.	5.2	6
31	Preparation, characterization and physicochemical properties of cassava starch-ferulic acid complexes by mechanical activation. International Journal of Biological Macromolecules, 2020, 160, 482-488.	7.5	28
32	From Xanthine Oxidase Inhibition to In Vivo Hypouricemic Effect: An Integrated Overview of In Vitro and In Vivo Studies with Focus on Natural Molecules and Analogues. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-17.	1.2	5
33	Phenolic profile and anti-inflammatory activity of four Moroccan date (Phoenix dactylifera L.) seed varieties. Heliyon, 2020, 6, e03436.	3.2	51
34	Physicochemical characterizations of gum Arabic modified with oxidation products of ferulic acid. Food Hydrocolloids, 2020, 107, 105919.	10.7	29
35	Neo-clerodane diterpenic influence in the antinociceptive and anti-inflammatory properties of Salvia circinnata Cav Journal of Ethnopharmacology, 2021, 268, 113550.	4.1	8
36	Ex vivo penetration analysis and anti-inflammatory efficacy of the association of ferulic acid and UV filters. European Journal of Pharmaceutical Sciences, 2021, 156, 105578.	4.0	13

#	Article	IF	CITATIONS
37	Purification and biochemical characterization of an alkaline feruloyl esterase from Penicillium sumatrense NCH-S2 using rice bran as substrate. CYTA - Journal of Food, 2021, 19, 1-10.	1.9	1
38	Comparative phytochemical analysis of five Egyptian strawberry cultivars (<i>Fragaria</i> × <i>ananassa</i> Duch.) and antidiabetic potential of Festival and Red Merlin cultivars. RSC Advances, 2021, 11, 16755-16767.	3.6	8
39	Potential neuroprotective activity of <i>Mentha longifolia</i> L. in aluminum chlorideâ€induced rat model of Alzheimer's disease. Journal of Food Biochemistry, 2021, 45, 1770.	2.9	12
40	Xanthine Oxidase Inhibitors from Filipendula ulmaria (L.) Maxim. and Their Efficient Detections by HPTLC and HPLC Analyses. Molecules, 2021, 26, 1939.	3.8	10
41	Fast dereplication of xanthine oxidase-inhibiting compounds in alfalfa using comparative metabolomics. Food Research International, 2021, 141, 110170.	6.2	10
42	Edible Flowers: Antioxidant Compounds and Their Functional Properties. Horticulturae, 2021, 7, 66.	2.8	17
43	NMR-Based Metabolomic Analyses to Identify the Effect of Harvesting Frequencies on the Leaf Metabolite Profile of a Moringa oleifera Cultivar Grown in an Open Hydroponic System. Molecules, 2021, 26, 2298.	3.8	6
44	Approaches for the enzymatic synthesis of alkyl hydroxycinnamates and applications thereof. Applied Microbiology and Biotechnology, 2021, 105, 3901-3917.	3.6	6
45	Natural COX-2 Inhibitors as Promising Anti-inflammatory Agents: An Update. Current Medicinal Chemistry, 2021, 28, 3622-3646.	2.4	47
46	Double-Edged Metabolic Effects from Short-Term Feeding of Functionalized Wheat Bran to Mouse Revealed by Metabolomic Profiling. Journal of Agricultural and Food Chemistry, 2021, 69, 6543-6555.	5.2	2
47	Protection against UVB deleterious skin effects in a mouse model: effect of a topical emulsion containing Cordia verbenacea extract. Photochemical and Photobiological Sciences, 2021, 20, 1033-1051.	2.9	3
48	Anti-Inflammatory Properties of Diet: Role in Healthy Aging. Biomedicines, 2021, 9, 922.	3.2	34
49	Understanding the combined effect and inhibition mechanism of 4-hydroxycinnamic acid and ferulic acid as tyrosinase inhibitors. Food Chemistry, 2021, 352, 129369.	8.2	46
50	Chlorogenic, Caffeic, and Ferulic Acids and Their Derivatives in Foods. , 2021, , 1033-1063.		2
51	Chlorogenic, Caffeic, and Ferulic Acids and Their Derivatives in Foods. , 2020, , 1-31.		1
52	Safety and bioactivity assessment of aqueous extract of Thai Henna (<i>Lawsonia inermis</i> Linn.) Leaf. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2021, 84, 298-312.	2.3	9
53	Ultrasonic and microwave activation of raspberry extract: antioxidant and anti-carcinogenic properties. Foods and Raw Materials, 2019, , 264-273.	2.1	15
54	Use of Natural Components Derived from Oil Seed Plants for Treatment of Inflammatory Skin Diseases. Current Pharmaceutical Design, 2019, 25, 2241-2263.	1.9	2

CITATION REPORT

	CITATION	CITATION REPORT	
#	Article	IF	Citations
55	Antioxidant and Anti-inflammatory Capacity of Ferulic Acid Released from Wheat Bran by Solid-state Fermentation of Aspergillus niger. Biomedical and Environmental Sciences, 2019, 32, 11-21.	0.2	57
56	HPLC/MS Phytochemical Profiling with Antioxidant Activities of Echium humile Desf. Extracts: ADMET Prediction and Computational Study Targeting Human Peroxiredoxin 5 Receptor. Agronomy, 2021, 11, 2165.	3.0	14
57	Effects and underlying mechanisms of food polyphenols in treating gouty arthritis: A review on nutritional intake and joint health. Journal of Food Biochemistry, 2022, 46, e14072.	2.9	5
58	Recent development on COX-2 inhibitors as promising anti-inflammatory agents: The past 10 years. Acta Pharmaceutica Sinica B, 2022, 12, 2790-2807.	12.0	80
59	Antioxidant and pharmacological activity of Cucumis melo var. cantaloupe. , 2022, , 147-170.		0
60	The effects of citrus flavonoids and their metabolites on immune-mediated intestinal barrier disruption using an <i>in vitro</i> co-culture model. British Journal of Nutrition, 2022, 128, 1917-1926.	2.3	3
61	Inhibitory activities of grape bioactive compounds against enzymes linked with human diseases. Applied Microbiology and Biotechnology, 2022, 106, 1399-1417.	3.6	14
62	Contribution to the Valorization of Plants Used in the Management of Rheumatic Diseases in Burkina Faso. Pharmacology & Pharmacy, 2022, 13, 81-92.	0.7	0
63	Lamiaceae in Mexican Species, a Great but Scarcely Explored Source of Secondary Metabolites with Potential Pharmacological Effects in Pain Relief. Molecules, 2021, 26, 7632.	3.8	8
64	Therapeutic Potential of Ferulic Acid in Alzheimer's Disease. Current Drug Delivery, 2022, 19, 860-873.	1.6	17
65	The Genus Alternanthera: Phytochemical and Ethnopharmacological Perspectives. Frontiers in Pharmacology, 2022, 13, 769111.	3.5	11
66	New and potential properties, characteristics, and analytical methods of ferulic acid: A review. Brazilian Journal of Pharmaceutical Sciences, 0, 58, .	1.2	8
67	Anti-inflammatory and Antioxidant Effect of Poly-gallic Acid (PGAL) in an In Vitro Model of Synovitis Induced by Monosodium Urate Crystals. Inflammation, 2022, 45, 2066-2077.	3.8	3
68	Ferulic acid – A novel topical agent in reducing signs of photoaging. Dermatologic Therapy, 2022, 35, e15543.	1.7	5
69	Chemical Compounds of Berry-Derived Polyphenols and Their Effects on Gut Microbiota, Inflammation, and Cancer. Molecules, 2022, 27, 3286.	3.8	36
70	Effects of dandelion addition on antioxidant property, sensory characteristics and inhibitory activity against xanthine oxidase of beer. Current Research in Food Science, 2022, 5, 927-939.	5.8	3
71	Protective effects of corni fructus extract in mice with potassium oxonate–induced hyperuricemia. Journal of Veterinary Medical Science, 2022, 84, 1134-1141.	0.9	2
72	Oxidative Stress in Ageing and Chronic Degenerative Pathologies: Molecular Mechanisms Involved in Counteracting Oxidative Stress and Chronic Inflammation. International Journal of Molecular Sciences, 2022, 23, 7273.	4.1	93

#	Article	IF	CITATIONS
73	A Review on Medicinal Uses, Nutritional Value, and Antimicrobial, Antioxidant, Anti-Inflammatory, Antidiabetic, and Anticancer Potential Related to Bioactive Compounds of <i>J. regia</i> . Food Reviews International, 2023, 39, 6199-6249.	8.4	18
74	Phenolic compound profile, and evaluation of biological properties of Bassia muricata (L.) Asch. aerial part. International Journal of Secondary Metabolite, 2022, 9, 335-347.	1.3	3
76	Phytochemical and pharmacological activities of Schefflera bojeri (Seem.) R. Vig. (Araliaceae). South African Journal of Botany, 2022, 151, 514-522.	2.5	0
77	Oral Pharmacokinetics of Hydroxycinnamic Acids: An Updated Review. Pharmaceutics, 2022, 14, 2663.	4.5	6
78	Synthesis of Lipid Nanoparticles Incorporated with Ferula assa-foetida L. Extract. Cosmetics, 2022, 9, 129.	3.3	2
79	Antihyperalgesic and Antiallodynic Effects of Amarisolide A and Salvia amarissima Ortega in Experimental Fibromyalgia-Type Pain. Metabolites, 2023, 13, 59.	2.9	4
80	Synthesis and Characterization of Hierarchical Zeolites Modified with Polysaccharides and Its Potential Role as a Platform for Drug Delivery. Pharmaceutics, 2023, 15, 535.	4.5	2
81	Phytochemical profiling, in vitro and in vivo xanthine oxidase inhibition and antihyperuricemic activity of Christia vespertilionis leaf. Biocatalysis and Agricultural Biotechnology, 2023, 48, 102645.	3.1	3
82	Flavonoids. , 2023, , 73-105.		1
83	Synthesis, anti-angiogenic activity and prediction toxicity of (E)-3-(3-methoxyphenyl) propenoic acid. Journal of Public Health in Africa, 0, , .	0.4	0
84	Potential health benefits of the plant <i>Levisticum officinale</i> (lovage) in relation to its polyphenolic content. Acta Scientifica Naturalis, 2023, 10, 16-36.	0.1	1
85	Antioxidant Compounds from Edible Mushrooms as Potential Candidates for Treating Age-Related Neurodegenerative Diseases. Nutrients, 2023, 15, 1913.	4.1	13
87	Alkannin reverses lipopolysaccharides-induced inflammatory responses by suppressing mitogen-activated protein kinase and nuclear factor kappa-B signalling. Bioengineered, 2022, 13, 14936-14946.	3.2	1
88	Synthesis of Highly Efficient and Recyclable Bimetallic Co _{<i>x</i>} –Fe _{1–<i>x</i>} –MOF for the Synthesis of Xanthan and Removal of Toxic Pb ²⁺ and Cd ²⁺ Ions. ACS Omega, 2023, 8, 26379-26390.	3.5	2
89	Mining Xanthine Oxidase Inhibitors from an Edible Seaweed Pterocladiella capillacea by Using In Vitro Bioassays, Affinity Ultrafiltration LC-MS/MS, Metabolomics Tools, and In Silico Prediction. Marine Drugs, 2023, 21, 502.	4.6	2
90	Determination of the ground and excited state dipole moments of ferulic and sinapic acids by solvatochromic effects and density function theory method. AIP Advances, 2023, 13, .	1.3	0
91	Graphene-Based Electrochemical Sensing Platform for Rapid and Selective Ferulic Acid Quantification. International Journal of Molecular Sciences, 2023, 24, 16937.	4.1	1
92	Effect of Coffee-Corn Mix on Hypertensive Mice on Biomarkers of Nitric Oxide, eNOS, Sodium, and ACE Serum Levels. Research Journal of Pharmacy and Technology, 2023, , 3673-3679.	0.8	0

#	Article	IF	CITATIONS
93	Ferulic acid via attenuation of oxidative stress and neuro-immune response utilizes antinociceptive effect in mouse model of formalin test. IBRO Neuroscience Reports, 2024, 16, 51-56.	1.6	0