

# Absorption, metabolism, anti-cancer effect and molecular mechanism of epigallocatechin gallate (EGCG): An updated review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Epigallocatechin-3-gallate attenuates cerebral cortex damage and promotes brain regeneration in acrylamide-treated rats. <i>Food and Function</i> , 2017, 8, 2275-2282.	2.1	22
2	Epigallocatechin-3-gallate inhibits H <sub>2</sub> O <sub>2</sub> -induced apoptosis in Mouse Vascular Smooth Muscle Cells via 67kD Laminin Receptor. <i>Scientific Reports</i> , 2017, 7, 7774.	1.6	17
3	Epigallocatechin gallate inhibits the growth and promotes the apoptosis of bladder cancer cells. <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 3513-3518.	0.8	15
4	Dietary Intervention by Phytochemicals and Their Role in Modulating Coding and Non-Coding Genes in Cancer. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1178.	1.8	78
5	Green tea polyphenol EGCG causes anti-cancerous epigenetic modulations in acute promyelocytic leukemia cells. <i>Leukemia and Lymphoma</i> , 2018, 59, 469-478.	0.6	60
6	Molecular Targets of Epigallocatechinâ€”Gallate (EGCG): A Special Focus on Signal Transduction and Cancer. <i>Nutrients</i> , 2018, 10, 1936.	1.7	193
8	Gut Microbiotaâ€™s Relationship with Liver Disease and Role in Hepatoprotection by Dietary Natural Products and Probiotics. <i>Nutrients</i> , 2018, 10, 1457.	1.7	83
9	Targeting cancer stem cells with dietary phytochemical - Repositioned drug combinations. <i>Cancer Letters</i> , 2018, 433, 53-64.	3.2	34
10	(â€”)Epigallocatechin-3-Gallate Ameliorates Atherosclerosis and Modulates Hepatic Lipid Metabolic Gene Expression in Apolipoprotein E Knockout Mice: Involvement of TTC39B. <i>Frontiers in Pharmacology</i> , 2018, 9, 195.	1.6	36
11	Epigallocatechin-3-Gallate Promotes the Growth of Mink Hair Follicles Through Sonic Hedgehog and Protein Kinase B Signaling Pathways. <i>Frontiers in Pharmacology</i> , 2018, 9, 674.	1.6	13
12	Epigallocatechin-3-Gallate (EGCG) Suppresses Pancreatic Cancer Cell Growth, Invasion, and Migration partly through the Inhibition of Akt Pathway and Epithelialâ€”Mesenchymal Transition: Enhanced Efficacy when Combined with Gemcitabine. <i>Nutrients</i> , 2019, 11, 1856.	1.7	53
13	Effect of consumption of green tea extracts on the plasma molecular signature. , 2019, , .		1
14	Epigallocatechin gallate (EGCG) suppresses epithelial-Mesenchymal transition (EMT) and invasion in anaplastic thyroid carcinoma cells through blocking of TGF-Î²1/Smad signaling pathways. <i>Bioengineered</i> , 2019, 10, 282-291.	1.4	56
15	Phenolic Profiles and Antioxidant Activities of 30 Tea Infusions from Green, Black, Oolong, White, Yellow and Dark Teas. <i>Antioxidants</i> , 2019, 8, 215.	2.2	147
16	Bioactive Compounds and Biological Functions of Garlic ( <i>Allium sativum</i> L.). <i>Foods</i> , 2019, 8, 246.	1.9	399
17	Valorization of Soy Whey Wastewater: How Epigallocatechin-3-gallate Regulates Protein Precipitation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15504-15513.	3.2	25
18	Nutrition, Immunity, and Cancer. , 2019, , 209-281.		2
19	Protective effect of green tea catechin against urban fine dust particle-induced skin aging by regulation of NF-Î²B, AP-1, and MAPKs signaling pathways. <i>Environmental Pollution</i> , 2019, 252, 1318-1324.	3.7	69

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21	Multilevel structure-activity profiling reveals multiple green tea compound families that each modulate ubiquitin-activating enzyme and ubiquitination by a distinct mechanism. <i>Scientific Reports</i> , 2019, 9, 12801.	1.6	8
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26	EGCG enhances cancer cells sensitivity under $^{60}\text{Co}$ radiation based on miR-34a/Sirt1/p53. <i>Food and Chemical Toxicology</i> , 2019, 133, 110807.	1.8	36
27	The Quality Control of Tea by Near-Infrared Reflectance (NIR) Spectroscopy and Chemometrics. <i>Journal of Spectroscopy</i> , 2019, 2019, 1-11.	0.6	36
28	Fabrication and characterization of functional protein-polysaccharide-polyphenol complexes assembled from lactoferrin, hyaluronic acid and ( $\alpha$ )-epigallocatechin gallate. <i>Food and Function</i> , 2019, 10, 1098-1108.	2.1	27
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36	Enhancing the Yield of Bioactive Compounds from <i>Sclerocarya birrea</i> Bark by Green Extraction Approaches. <i>Molecules</i> , 2019, 24, 966.	1.7	23
37	Epigallocatechin-3-gallate inhibits the growth and increases the apoptosis of human thyroid carcinoma cells through suppression of EGFR/RAS/RAF/MEK/ERK signaling pathway. <i>Cancer Cell International</i> , 2019, 19, 43.	1.8	43

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39	Chinese Herbal Medicine-Based Cancer Therapy: Novel Anticancer Agents Targeting MicroRNAs to Regulate Tumor Growth and Metastasis. <i>The American Journal of Chinese Medicine</i> , 2019, 47, 1711-1735.	1.5	35
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47	Binding affinity and antioxidant activity of the complex of (epigallocatechin gallate and whey protein isolate: Effect of ultrasound pretreatment. <i>Journal of Food Process Engineering</i> , 2020, 43, e13081.	1.5	16
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55	A review on anti-cancer effect of green tea catechins. <i>Journal of Functional Foods</i> , 2020, 74, 104172.	1.6	94

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