

Elucidation of (âˆ²)-epicatechin metabolites after ingestion

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Identification of O-methyl-(\hat{r})-epicatechin-O-sulphate metabolites by mass-spectrometry after O-methylation with trimethylsilyldiazomethane. <i>Journal of Chromatography A</i> , 2012, 1245, 150-157.	1.8	7
2	Cocoa and Human Health. <i>Annual Review of Nutrition</i> , 2013, 33, 105-128.	4.3	86
3	The flavanol (-)-epicatechin and its metabolites protect against oxidative stress in primary endothelial cells via a direct antioxidant effect. <i>European Journal of Pharmacology</i> , 2013, 715, 147-153.	1.7	72
4	Chemical Synthesis and Characterization of Epicatechin Glucuronides and Sulfates: Bioanalytical Standards for Epicatechin Metabolite Identification. <i>Journal of Natural Products</i> , 2013, 76, 157-169.	1.5	34
5	Human studies on the absorption, distribution, metabolism, and excretion of tea polyphenols. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 1619S-1630S.	2.2	192
6	Cocoa flavanol metabolites activate $\text{HNF}\hat{1}\beta$, Srp1 , and $\text{NF}\hat{\kappa}\text{B}$ -mediated transcription of apolipoprotein AI in human cells. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 986-995.	1.5	14
7	Intestinal absorption, metabolism, and excretion of (\hat{r})-epicatechin in healthy humans assessed by using an intestinal perfusion technique. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 924-933.	2.2	84
8	Absorption, metabolism, and excretion of (\hat{r})-epicatechin in humans: an evaluation of recent findings. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 861-862.	2.2	16
9	Cocoa Polyphenols and Inflammatory Markers of Cardiovascular Disease. <i>Nutrients</i> , 2014, 6, 844-880.	1.7	102
10	Urinary metabolite profiling identifies novel colonic metabolites and conjugates of phenolics in healthy volunteers. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1414-1425.	1.5	72
11	Dark Chocolate Acutely Improves Walking Autonomy in Patients With Peripheral Artery Disease. <i>Journal of the American Heart Association</i> , 2014, 3, .	1.6	62
12	Identification of epicatechin as one of the key bioactive constituents of polyphenol-enriched extracts that demonstrate an anti-allergic effect in a murine model of food allergy. <i>British Journal of Nutrition</i> , 2014, 112, 358-368.	1.2	31
13	Uptake and metabolism of (\hat{r})-epicatechin in endothelial cells. <i>Archives of Biochemistry and Biophysics</i> , 2014, 559, 17-23.	1.4	31
14	Flavanol metabolites reduce monocyte adhesion to endothelial cells through modulation of expression of genes via $\text{p38}\hat{\kappa}\text{B}$ and $\text{p65}\hat{\kappa}\text{B}$ pathways. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1016-1027.	1.5	59
15	Bioavailability, bioactivity and impact on health of dietary flavonoids and related compounds: an update. <i>Archives of Toxicology</i> , 2014, 88, 1803-1853.	1.9	472
16	Mind the gap—deficits in our knowledge of aspects impacting the bioavailability of phytochemicals and their metabolites—a position paper focusing on carotenoids and polyphenols. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1307-1323.	1.5	204
17	Influence of age on the absorption, metabolism, and excretion of cocoa flavanols in healthy subjects. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1504-1512.	1.5	49
18	Outcome of a public consultation on the discussion paper for the revision of the guidance on the scientific requirements for health claims related to gut and immune function. <i>EFSA Supporting Publications</i> , 2015, 12, 758E.	0.3	1

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19	Cellular Asymmetric Catalysis by UDP-glucuronosyltransferase 1A8 Shows Functional Localization to the Basolateral Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2015, 290, 7622-7633.	1.6	8
20	The cardiovascular benefits of dark chocolate. <i>Vascular Pharmacology</i> , 2015, 71, 11-15.	1.0	62
21	Pharmacokinetic, partial pharmacodynamic and initial safety analysis of (âˆ“)âˆ“)-epicatechin in healthy volunteers. <i>Food and Function</i> , 2015, 6, 824-833.	2.1	31
22	Factors Affecting the Absorption, Metabolism, and Excretion of Cocoa Flavanols in Humans. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 7615-7623.	2.4	31
23	(âˆ“)âˆ“)-Epicatechin in the prevention of tumor necrosis alpha-induced loss of Caco-2 cell barrier integrity. <i>Archives of Biochemistry and Biophysics</i> , 2015, 573, 84-91.	1.4	66
24	Flavan-3-ols, theobromine, and the effects of cocoa and chocolate on cardiometabolic risk factors. <i>Current Opinion in Lipidology</i> , 2015, 26, 10-19.	1.2	21
25	(âˆ“)âˆ“)-Epicatechin reduces blood pressure increase in high-fructose-fed rats: effects on the determinants of nitric oxide bioavailability. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 745-751.	1.9	44
26	Discovery and resupply of pharmacologically active plant-derived natural products: A review. <i>Biotechnology Advances</i> , 2015, 33, 1582-1614.	6.0	1,871
27	A metabolomicsâˆ“driven approach to predict cocoa product consumption by designing a multimetabolite biomarker model in freeâˆ“living subjects from the PREDIMED study. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 212-220.	1.5	44
28	Modulation of (âˆ“)âˆ“)-Epicatechin Metabolism by Coadministration with Other Polyphenols in Caco-2 Cell Model. <i>Drug Metabolism and Disposition</i> , 2015, 43, 9-16.	1.7	17
29	Plasma and Urinary Phenolic Profiles after Acute and Repetitive Intake of Wild Blueberry. <i>Molecules</i> , 2016, 21, 1120.	1.7	56
30	Cocoa extract intake for 4 weeks reduces postprandial systolic blood pressure response of obese subjects, even after following an energy-restricted diet. <i>Food and Nutrition Research</i> , 2016, 60, 30449.	1.2	11
31	Anti-inflammatory actions of (âˆ“)âˆ“)-epicatechin in the adipose tissue of obese mice. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 81, 383-392.	1.2	62
32	A comprehensive evaluation of the [2- 14 C](âˆ“)âˆ“)-epicatechin metabolome in rats. <i>Free Radical Biology and Medicine</i> , 2016, 99, 128-138.	1.3	40
33	The metabolome of [2-14C](âˆ“)âˆ“)-epicatechin in humans: implications for the assessment of efficacy, safety and mechanisms of action of polyphenolic bioactives. <i>Scientific Reports</i> , 2016, 6, 29034.	1.6	197
34	Dietary Epicatechin Is Available to Breastfed Infants through Human Breast Milk in the Form of Host and Microbial Metabolites. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 5354-5360.	2.4	25
35	Dietary (âˆ“)âˆ“)-epicatechin mitigates oxidative stress, NO metabolism alterations, and inflammation in renal cortex from fructose-fed rats. <i>Free Radical Biology and Medicine</i> , 2016, 90, 35-46.	1.3	74
36	The urinary metabolomic profile following the intake of meals supplemented with a cocoa extract in middle-aged obese subjects. <i>Food and Function</i> , 2016, 7, 1924-1931.	2.1	21

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37	LPS-induced renal inflammation is prevented by (âˆ“)â€¦epicatechin in rats. <i>Redox Biology</i> , 2017, 11, 342-349.	3.9	66
38	The cardiovascular health benefits of apples: Whole fruit vs. isolated compounds. <i>Trends in Food Science and Technology</i> , 2017, 69, 243-256.	7.8	123
39	Role of the small intestine, colon and microbiota in determining the metabolic fate of polyphenols. <i>Biochemical Pharmacology</i> , 2017, 139, 24-39.	2.0	247
40	Profiling and identification of (âˆ“)â€¦epicatechin metabolites in rats using ultraâ€¦high performance liquid chromatography coupled with linear trapâ€¦Orbitrap mass spectrometer. <i>Drug Testing and Analysis</i> , 2017, 9, 1224-1235.	1.6	28
41	Influence of flavanol-rich excipient food (onion peel and <i>Dendropanax morbifera</i>) on the bioavailability of green tea epicatechins in vitro and in vivo. <i>Food and Function</i> , 2017, 8, 3664-3674.	2.1	17
42	The role of polyphenols in modern nutrition. <i>Nutrition Bulletin</i> , 2017, 42, 226-235.	0.8	341
43	Caffeine â€“ rich infusion from <i>Cola nitida</i> (kola nut) inhibits major carbohydrate catabolic enzymes; abates redox imbalance; and modulates oxidative dysregulated metabolic pathways and metabolites in Fe ²⁺ -induced hepatic toxicity. <i>Biomedicine and Pharmacotherapy</i> , 2017, 96, 1065-1074.	2.5	30
44	A Systematic Review and Meta-Analysis of the Effects of Flavanol-Containing Tea, Cocoa and Apple Products on Body Composition and Blood Lipids: Exploring the Factors Responsible for Variability in Their Efficacy. <i>Nutrients</i> , 2017, 9, 746.	1.7	52
45	Cocoa and Dark Chocolate Polyphenols: From Biology to Clinical Applications. <i>Frontiers in Immunology</i> , 2017, 8, 677.	2.2	103
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49	Plant bioactives and redox signaling: (â€“)â€¦Epicatechin as a paradigm. <i>Molecular Aspects of Medicine</i> , 2018, 61, 31-40.	2.7	62
50	Colonic metabolites from flavanols stimulate nitric oxide production in human endothelial cells and protect against oxidative stress-induced toxicity and endothelial dysfunction. <i>Food and Chemical Toxicology</i> , 2018, 115, 88-97.	1.8	44
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52	<i>Centella asiatica</i> : phytochemistry and mechanisms of neuroprotection and cognitive enhancement. <i>Phytochemistry Reviews</i> , 2018, 17, 161-194.	3.1	144
53	Absorption, metabolism, distribution and excretion of (âˆ“)â€¦epicatechin: A review of recent findings. <i>Molecular Aspects of Medicine</i> , 2018, 61, 18-30.	2.7	113
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55	The Influence of In Vivo Metabolic Modifications on ADMET Properties of Green Tea Catechins—In Silico Analysis. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2957-2964.	1.6	3
56	The Impact of Epicatechin on Human Cognition: The Role of Cerebral Blood Flow. <i>Nutrients</i> , 2018, 10, 986.	1.7	42
57	Cocoa ingestion protects plasma lipids in healthy males against ex vivo oxidative conditions: A randomized clinical trial. <i>Clinical Nutrition ESPEN</i> , 2018, 26, 1-7.	0.5	7
58	Pure flavonoid epicatechin and whole genome gene expression profiles in circulating immune cells in adults with elevated blood pressure: A randomised double-blind, placebo-controlled, crossover trial. <i>PLoS ONE</i> , 2018, 13, e0194229.	1.1	26
59	Biomarkers of food intake for cocoa and liquorice (products): a systematic review. <i>Genes and Nutrition</i> , 2018, 13, 22.	1.2	20
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61	Phenolic metabolites in plasma and tissues of rats fed with a grape pomace extract as assessed by liquid chromatography-tandem mass spectrometry. <i>Archives of Biochemistry and Biophysics</i> , 2018, 651, 28-33.	1.4	12
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63	Gene expression changes by high-polyphenols cocoa powder intake: a randomized crossover clinical study. <i>European Journal of Nutrition</i> , 2019, 58, 1887-1898.	1.8	16
64	Flavanol Bioavailability in Two Cocoa Products with Different Phenolic Content. A Comparative Study in Humans. <i>Nutrients</i> , 2019, 11, 1441.	1.7	38
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71	Polyphenols and bioavailability: an update. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 2040-2051.	5.4	204
72	A critical review on grape polyphenols for neuroprotection: Strategies to enhance bioefficacy. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 597-625.	5.4	58

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73	Bioavailability and metabolism of selected cocoa bioactive compounds: A comprehensive review. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 1947-1985.	5.4	47
74	Acute study of dose-dependent effects of (âˆ™)-epicatechin on vascular function in healthy male volunteers: A randomized controlled trial. <i>Clinical Nutrition</i> , 2020, 39, 746-754.	2.3	15
75	Berry polyphenols metabolism and impact on human gut microbiota and health. <i>Food and Function</i> , 2020, 11, 45-65.	2.1	149
76	The beneficial health effects of flavonoids on the cardiovascular system: Focus on K ⁺ channels. <i>Pharmacological Research</i> , 2020, 152, 104625.	3.1	55
77	(âˆ™)-Epicatechin metabolites promote vascular health through epigenetic reprogramming of endothelial-immune cell signaling and reversing systemic low-grade inflammation. <i>Biochemical Pharmacology</i> , 2020, 173, 113699.	2.0	29
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86	Effects of Cocoa-Derived Polyphenols on Cognitive Function in Humans. Systematic Review and Analysis of Methodological Aspects. <i>Plant Foods for Human Nutrition</i> , 2020, 75, 1-11.	1.4	37
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93	Metabolomics Technologies for the Identification and Quantification of Dietary Phenolic Compound Metabolites: An Overview. Antioxidants, 2021, 10, 846.	2.2	27
94	Regulation of Cytochrome c Oxidase by Natural Compounds Resveratrol, (â€“)Epicatechin, and Betaine. Cells, 2021, 10, 1346.	1.8	9
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103	Metabolic fate of tea polyphenols and their crosstalk with gut microbiota. Food Science and Human Wellness, 2022, 11, 455-466.	2.2	23
105	LCâ€™MS Characterization and Quantification of Known and Unknown (Poly)phenol Metabolitesâ€™Possible Pitfalls and Their Avoidance. Molecular Nutrition and Food Research, 2022, 66, e2101013.	1.5	7
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108	Blood and Urinary Flavonoids. Biomarkers in Disease, 2022, , 1-28.	0.0	0
109	Revisiting the bioavailability of flavan-3-ols in humans: A systematic review and comprehensive data analysis. Molecular Aspects of Medicine, 2023, 89, 101146.	2.7	13

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110	Purified recombinant enzymes efficiently hydrolyze conjugated urinary (poly)phenol metabolites. <i>Food and Function</i> , 2022, 13, 10895-10911.	2.1	8
111	Blood and Urinary Flavonoids. <i>Biomarkers in Disease</i> , 2022, , 113-140.	0.0	0
112	Type 2 Diabetes mellitus alters the cargo of (poly)phenol metabolome and the oxidative status in circulating lipoproteins. <i>Redox Biology</i> , 2023, 59, 102572.	3.9	2
113	Cocoa and cocoa products. , 2023, , 55-95.		0
116	Natural Products and Diabetes: (âˆš)-Epicatechin and Mechanisms Involved in the Regulation of Insulin Sensitivity. <i>Handbook of Experimental Pharmacology</i> , 2024, , .	0.9	0