

CITATION REPORT

List of articles citing

Analysis of silibinin in rat plasma and bile for hepatobiliary excretion and oral bioavailability application

DOI: 10.1016/j.jpba.2007.06.026

Journal of Pharmaceutical and Biomedical Analysis, 2007, 45, 635-41.

Source: <https://exaly.com/paper-pdf/42735899/citation-report.pdf>

Version: 2024-04-20

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
130	Interrelation between the inhibition of glycolytic flux by silibinin and the lowering of mitochondrial ROS production in perfused rat hepatocytes. 2008 , 82, 1070-6		39
129	Herb-drug interaction of silymarin or silibinin on the pharmacokinetics of trazodone in rats. 2009 , 182, 227-32		12
128	Drug-drug interactions of silymarin on the perspective of pharmacokinetics. 2009 , 121, 185-93		126
127	Nanostructured lipid carriers for parenteral delivery of silybin: Biodistribution and pharmacokinetic studies. 2010 , 80, 213-8		94
126	Combined treatment with silibinin and epidermal growth factor receptor tyrosine kinase inhibitors overcomes drug resistance caused by T790M mutation. 2010 , 9, 3233-43		37
125	Silymarin inhibits in vitro T-cell proliferation and cytokine production in hepatitis C virus infection. 2010 , 138, 671-81, 681.e1-2		90
124	Silibinin inhibits ethanol metabolism and ethanol-dependent cell proliferation in an in vitro model of hepatocellular carcinoma. 2010 , 291, 120-9		44
123	Influence of silibinin on differential expressions of total cytokine genes in human hepatocellular carcinoma cell lines. 2011 , 1, 91-94		1
122	Silybin and the liver: from basic research to clinical practice. 2011 , 17, 2288-301		226
121	Differential in vitro effects of intravenous versus oral formulations of silibinin on the HCV life cycle and inflammation. 2011 , 6, e16464		54
120	Mixed micelles loaded with silybin-polyene phosphatidylcholine complex improve drug solubility. 2011 , 32, 108-15		44
119	Oral bioavailability of silymarin phytocomplex formulated as self-emulsifying pellets. 2011 , 18, 505-12		34
118	Biological analysis of herbal medicines used for the treatment of liver diseases. <i>Biomedical Chromatography</i> , 2011 , 25, 21-38	1.7	40
117	Limitations of in vitro assessments of the drug interaction potential of botanical supplements. 2012 , 78, 1421-7		22
116	Oral bioavailability of silymarin formulated as a novel 3-day delivery system based on porous silica nanoparticles. 2012 , 8, 2104-12		29
115	Enhanced oral bioavailability of silybin by a supersaturatable self-emulsifying drug delivery system (S-SEDDS). 2012 , 396, 22-28		86
114	Synergistic inhibition of breast cancer metastasis by silibinin-loaded lipid nanoparticles containing TPGS. 2013 , 454, 21-30		92

113	Enzymatic preparation of silybin phase II metabolites: sulfation using aryl sulfotransferase from rat liver. 2013 , 97, 10391-8	15
112	Interaction of silymarin flavonolignans with organic anion-transporting polypeptides. 2013 , 41, 958-65	40
111	Effects of single or repeated silymarin administration on pharmacokinetics of risperidone and its major metabolite, 9-hydroxyrisperidone in rats. 2013 , 43, 303-10	8
110	Preparation of silybin and isosilybin sulfates by sulfotransferase from <i>Desulfitobacterium hafniense</i> . 2013 , 89, 24-27	20
109	Silibinin inhibits tumor growth through downregulation of extracellular signal-regulated kinase and Akt in vitro and in vivo in human ovarian cancer cells. 2013 , 61, 4089-96	25
108	Pharmacokinetics and safety of silibinin in horses. 2013 , 74, 1327-32	14
107	A new pro-prodrug aminoacid-based for trans-ferulic Acid and silybin intestinal release. 2014 , 5, 99-110	4
106	Effect of silymarin pretreatment on the bioavailability of domperidone in healthy human volunteers. 2014 , 29, 261-7	5
105	MICELLAR LIQUID CHROMATOGRAPHIC DETERMINATION OF RIBAVIRIN, SILYBIN, INTERFERON β 2A, LAMIVUDINE, AND URSODEOXYCHOLIC ACID IN DOSAGE FORMS AND BIOLOGICAL FLUIDS. 2014 , 37, 1785-1804	3
104	Flavonoids Loaded in Nanocarriers: An Opportunity to Increase Oral Bioavailability and Bioefficacy. 2014 , 05, 1212-1327	57
103	Protective mechanisms of medicinal plants targeting hepatic stellate cell activation and extracellular matrix deposition in liver fibrosis. 2014 , 9, 27	19
102	Bioavailability of silymarin flavonolignans: drug formulations and biotransformation. 2014 , 13, 1-18	60
101	Neuroprotective effect of silymarin in a MPTP mouse model of Parkinson's disease. <i>Toxicology</i> , 2014 , 319, 38-43	4.4 51
100	Effects of stabilizing agents on the development of myricetin nanosuspension and its characterization: an in vitro and in vivo evaluation. 2014 , 477, 251-60	64
99	Silymarin liposomes improves oral bioavailability of silybin besides targeting hepatocytes, and immune cells. 2014 , 66, 788-98	54
98	Enhanced cytotoxicity and apoptosis-induced anticancer effect of silibinin-loaded nanoparticles in oral carcinoma (KB) cells. 2014 , 41, 274-82	39
97	Silymarin as a Natural Antioxidant: An Overview of the Current Evidence and Perspectives. 2015 , 4, 204-47	285
96	Enhanced oral bioavailability of silymarin using liposomes containing a bile salt: preparation by supercritical fluid technology and evaluation in vitro and in vivo. 2015 , 10, 6633-44	44

95	Silymarin: an insight to its formulation and analytical prospects. 2015 , 37, 1	11
94	An ex vivo approach to botanical-drug interactions: a proof of concept study. 2015 , 163, 149-56	6
93	Pharmacokinetic profile of phytoconstituent(s) isolated from medicinal plants-A comprehensive review. 2015 , 5, 207-27	45
92	Pharmacokinetics of pure silybin diastereoisomers and identification of their metabolites in rat plasma. 2015 , 14, 570-580	20
91	Serum and tissue pharmacokinetics of silibinin after per os and i.v. administration to mice as a HP- β -CD lyophilized product. 2015 , 493, 366-73	27
90	Investigation on the interactions of scutellarin and scutellarein with bovine serum albumin using spectroscopic and molecular docking techniques. 2015 , 38, 1789-801	10
89	High-performance thin-layer chromatography linked with (bio)assays and mass spectrometry - a suited method for discovery and quantification of bioactive components? Exemplarily shown for turmeric and milk thistle extracts. 2015 , 1394, 137-47	30
88	In vivo absorption comparison of nanotechnology-based silybin tablets with its water-soluble derivative. 2015 , 41, 552-9	5
87	Enhanced hepatic-targeted delivery via oral administration using nanoliposomes functionalized with a novel DSPE-PEG- α -D-glucolic acid conjugate. 2016 , 6, 28110-28120	12
86	A supersaturating delivery system of silibinin exhibiting high payload achieved by amorphous nano-complexation with chitosan. 2016 , 89, 163-71	21
85	Neuroprotective effects of silymarin on ischemia-induced delayed neuronal cell death in rat hippocampus. 2016 , 1646, 297-303	17
84	Recent advances in the analysis of flavonolignans of <i>Silybum marianum</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 130, 301-317	3-5 44
83	Intestinal Microbiota and Metabolic Diseases: Pharmacological Implications. 2016 , 37, 169-171	22
82	Pharmacokinetic interactions of herbal medicines for the treatment of chronic hepatitis. 2017 , 25, 209-218	12
81	Flavonolignans inhibit ADP induced blood platelets activation and aggregation in whole blood. 2017 , 95, 682-688	19
80	Silibinin Reduces the Impact of Obesity on Invasive Liver Cancer. 2017 , 69, 1272-1280	7
79	Silibinin ameliorates anxiety/depression-like behaviors in amyloid β -treated rats by upregulating BDNF/TrkB pathway and attenuating autophagy in hippocampus. 2017 , 179, 487-493	58
78	Improved hepatoprotective activity of silymarin via encapsulation in the novel vesicular nanosystem bilosomes. 2017 , 43, 2043-2054	36

77	Preparation, characterization and antitumor activity evaluation of silibinin nanoparticles for oral delivery through liquid antisolvent precipitation. 2017 , 7, 54379-54390	10
76	Silymarin for Liver Disease. 2017 , 621-631	5
75	Silymarin impacts on immune system as an immunomodulator: One key for many locks. 2017 , 50, 194-201	51
74	A validated stability-indicating HPLC method for simultaneous determination of Silymarin and Curcumin in various dosage forms. 2017 , 10, S1711-S1725	27
73	Fabrication, characterization and in vitro evaluation of silibinin nanoparticles: an attempt to enhance its oral bioavailability. <i>Drug Design, Development and Therapy</i> , 2017 , 11, 1453-1464	4-4 24
72	Silybin, a Major Bioactive Component of Milk Thistle (<i>Silybum marianum</i> L. Gaernt.)-Chemistry, Bioavailability, and Metabolism. 2017 , 22,	128
71	Antihepatotoxic Activity of Liposomal Silibinin. 2018 , 8, 581-586	5
70	Silibinin Effect on Fas/FasL, HMGB1, and CD45 Expressions in a Rat Model Subjected to Liver Ischemia-Reperfusion Injury. 2018 , 31, 491-502	20
69	The efficiency and mechanism of N-octyl-O, N-carboxymethyl chitosan-based micelles to enhance the oral absorption of silybin. 2018 , 536, 231-240	23
68	Interaction of isolated silymarin flavonolignans with iron and copper. 2018 , 189, 115-123	7
67	Chitosan-functionalized lipid-polymer hybrid nanoparticles for oral delivery of silymarin and enhanced lipid-lowering effect in NAFLD. 2018 , 16, 64	26
66	Pharmacological influences of natural products as bioenhancers of silymarin against carbon tetrachloride-induced hepatotoxicity in rats. 2018 , 4,	3
65	Nutrigenomics and polyphenols. 2018 , 103-132	0
64	Enhancement of Silymarin Anti-fibrotic Effects by Complexation With Hydroxypropyl (HPBCD) and Randomly Methylated (RAMEB) β -Cyclodextrins in a Mouse Model of Liver Fibrosis. 2018 , 9, 883	14
63	Pharmaceutical perspective on the translational hurdles of phytoconstituents and strategies to overcome. 2019 , 53, 101201	9
62	Metabolism, Transport and Drug-Drug Interactions of Silymarin. 2019 , 24,	21
61	Liver Targeting Albumin-Coated Silybin-Phospholipid Particles Prepared by Nanotechnology for Improving Treatment Effect of Acute Liver Damage in Intravenous Administration. 2019 , 20, 293	3
60	Inclusion complex with cyclodextrins enhances the bioavailability of flavonoid compounds: a systematic review. 2019 , 18, 1337-1359	24

59	The Use of Merbromin Fluorescence Quenching for the Assay of Silymarin in its Natural Source and Pharmaceutical Preparations. 2019 , 9, 152-167		
58	Regulation of gut microbiota in Alzheimer's disease mice by silibinin and silymarin and their pharmacological implications. 2019 , 103, 7141-7149		16
57	A Simple HPLC Method for the Quantitative Determination of Silybin in Rat Plasma: Application to a Comparative Pharmacokinetic Study on Commercial Silymarin Products. 2019 , 24,		5
56	Formulation Strategies for Enhancing the Bioavailability of Silymarin: The State of the Art. 2019 , 24,		49
55	Antiviral Activities of Silymarin and Derivatives. 2019 , 24,		40
54	Silymarin and silymarin nanoparticles guard against chronic unpredictable mild stress induced depressive-like behavior in mice: involvement of neurogenesis and NLRP3 inflammasome. 2019 , 33, 615-631		21
53	Silymarin protects against high fat diet-evoked metabolic injury by induction of glucagon-like peptide 1 and sirtuin 1. 2019 , 56, 136-144		5
52	Development of a liquid chromatography-tandem mass spectrometric (LC-MS/MS) method for simultaneous determination of epigallocatechin-3-gallate, silibinin, and curcumin in plasma and different tissues after oral dosing of Protandim in rats and its application in pharmacokinetic and tissue distribution studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 170, 54-62	3.5	4
51	Metal complexes of flavonoids: their synthesis, characterization and enhanced antioxidant and anticancer activities. 2019 , 11, 2845-2867		26
50	Differential Effects of Silibinin A on Mitochondrial Function in Neuronal PC12 and HepG2 Liver Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 1652609	6.7	11
49	An overview of advanced formulation and nanotechnology-based approaches for solubility and bioavailability enhancement of silymarin. 2020 , 60, 102021		4
48	Chlorogenic Acid Supplementation Benefits Zebrafish Embryos Exposed to Auranofin. <i>Pharmaceutics</i> , 2020 , 12,	6.4	1
47	Application of an in vitro digestion model to study the metabolic profile changes of an herbal extract combination by UHPLC-HRMS. 2020 , 71, 153221		2
46	Dihydro-stilbene gigantol relieves CCl ₄ -induced hepatic oxidative stress and inflammation in mice via inhibiting C5b-9 formation in the liver. 2020 , 41, 1433-1445		4
45	Flavolignans from Silymarin as Nrf2 Bioactivators and Their Therapeutic Applications. 2020 , 8,		20
44	Liposomes for Enhanced Bioavailability of Water-Insoluble Drugs: In Vivo Evidence and Recent Approaches. <i>Pharmaceutics</i> , 2020 , 12,	6.4	57
43	Pre-treatment With PLGA/Silibinin Nanoparticles Mitigates Dacarbazine-Induced Hepatotoxicity. 2020 , 8, 495		1
42	Development of an HPLC-MS/MS Method for the Determination of Silybin in Human Plasma, Urine and Breast Tissue. 2020 , 25,		

41	Enhancement of bioavailability and hepatoprotection by silibinin through conversion to nanoparticles prepared by liquid antisolvent method. 2020 , 13, 3682-3689		7
40	Efficacy of silymarin-nanohydrogels complex in attenuation of aflatoxins toxicity in Japanese quails. 2020 , 19, 351-359		3
39	Promoted Antitumor Activity of Myricetin against Lung Carcinoma Via Nanoencapsulated Phospholipid Complex in Respirable Microparticles. 2020 , 37, 82		7
38	Liver Fibrosis: Mechanistic Concepts and Therapeutic Perspectives. 2020 , 9,		135
37	Molecular mechanism and pharmacokinetics of flavonoids in the treatment of resistant EGF receptor-mutated non-small-cell lung cancer: A narrative review. 2021 , 178, 1388-1406		3
36	Systematic review of pharmacokinetics and potential pharmacokinetic interactions of flavanolignans from silymarin. 2021 , 41, 2195-2246		9
35	Nano- and Microsized Forms of Silymarin and Silybin. 2021 , 16, 115-137		0
34	Green analytical method for the determination of sofosbuvir, ledipasvir, ribavirin and complex silymarin flavonoids simultaneously in biological fluids. 2021 , 164, 105964		4
33	Effect of Silymarin and Quercetin in a Miniaturized Scaffold in Wistar Rats against Non-alcoholic Fatty Liver Disease. 2021 , 6, 20735-20745		1
32	Silymarin (milk thistle extract) as a therapeutic agent in gastrointestinal cancer. 2021 , 142, 112024		9
31	Pro-Oxidant Role of Silibinin in DMBA/TPA Induced Skin Cancer: 1H NMR Metabolomic and Biochemical Study. 2016 , 11, e0158955		14
30	The protective effects of silymarin on ischemia-reperfusion injuries: A mechanistic review. <i>Iranian Journal of Basic Medical Sciences</i> , 2019 , 22, 968-976	1.8	5
29	Investigation on the solid-phase synthesis of silybin prodrugs and their timed-release. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 50, 116478	3.4	0
28	The effects of silibinin on oxidative stress and microRNA-10b expression in animal models of breast cancer. <i>Turkish Journal of Biochemistry</i> , 2020 , 45, 707-713	0.3	
27	Chapter 11: Silymarin. 2020 , 393-425		
26	Recent Advancement in Chitosan-Based Nanoparticles for Improved Oral Bioavailability and Bioactivity of Phytochemicals: Challenges and Perspectives. <i>Polymers</i> , 2021 , 13,	4.5	5
25	Silibinin loaded inhalable solid lipid nanoparticles for lung targeting. <i>Journal of Microencapsulation</i> , 2021 , 1-24	3.4	1
24	Preparation and Evaluation of Silymarin-Loaded Solid Eutectic for Enhanced Anti-Inflammatory, Hepatoprotective Effect: - Prospect. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 1818538	6.7	2

23	The Cytoprotective Activity of Nrf2 Is Regulated by Phytochemicals (Sulforaphane, Curcumin, and Silymarin). <i>Reference Series in Phytochemistry</i> , 2021 , 1-52	0.7	
22	Role of Silymarin in Cancer Treatment: Facts, Hypotheses, and Questions.. <i>Journal of Evidence-based Integrative Medicine</i> , 2022 , 27, 2515690X211068826	2.8	4
21	Hydroxypropyl-β-cyclodextrin Enhances Oral Absorption of Silymarin Nanoparticles Prepared Using PureNanoContinuous Crystallizer.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	0
20	Dissolution Testing and Pharmacokinetic Studies of Silymarin Solid Dispersion After Oral Administration to Healthy Pigs.. <i>Frontiers in Veterinary Science</i> , 2022 , 9, 815198	3.1	0
19	Table_1.DOCX. 2020 ,		
18	Presentation_1.PPTX. 2018 ,		
17	A review of biologically active flavonoids as inducers of autophagy and apoptosis in neoplastic cells and as cytoprotective agents in non-neoplastic cells.. <i>Cell Biology International</i> , 2022 ,	4.5	1
16	Silybins are stereospecific regulators of the 20S proteasome.. <i>Bioorganic and Medicinal Chemistry</i> , 2022 , 66, 116813	3.4	2
15	Silibinin Schiff Base Derivatives Counteract CCl4-Induced Acute Liver Injury by Enhancing Anti-Inflammatory and Antiapoptotic Bioactivities. <i>Drug Design, Development and Therapy</i> , Volume 16, 1441-1456	4.4	0
14	The Cytoprotective Activity of Nrf2 Is Regulated by Phytochemicals (Sulforaphane, Curcumin, and Silymarin). <i>Reference Series in Phytochemistry</i> , 2022 , 455-505	0.7	
13	Systematic Optimization of Solid Lipid Nanoparticles of Silybin for Improved Oral Drug Delivery by Box-Behnken Design: In Vitro and In Vivo Evaluations. <i>Journal of Pharmaceutical Innovation</i> ,	1.8	
12	In-depth investigation of the Silymarin effect on the pharmacokinetic parameters of sofosbuvir, GS-331007 and ledipasvir in rat plasma using LCMS. <i>Biomedical Chromatography</i> ,	1.7	
11	Silibinin Ameliorates Formaldehyde-Induced Cognitive Impairment by Inhibiting Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2022 , 2022, 1-13	6.7	0
10	Phytosomes as a Plausible Nano-Delivery System for Enhanced Oral Bioavailability and Improved Hepatoprotective Activity of Silymarin. <i>Pharmaceutics</i> , 2022 , 15, 790	5.2	2
9	Silibinin-loaded Nanostructured Lipid Carriers (NLCs) Ameliorated Cognitive Deficits and Oxidative Damages in Aluminum Chloride-induced Neurotoxicity in Male Mice. <i>Toxicology</i> , 2022 , 153260	4.4	1
8	Urinary excretion of silibinin diastereoisomers and their conjugated metabolites in rat and human at different dosages.		
7	Enhanced bioavailability and hepatoprotective effect of silymarin by preparing silymarin-loaded solid dispersion formulation using freeze-drying method.		0
6	Use of Milk Thistle in Farm and Companion Animals: A Review.		0

- 5 Bioavailability augmentation of silymarin using natural bioenhancers: An in vivo pharmacokinetic study. 58, ○
- 4 Silymarin in cancer therapy: Mechanisms of action, protective roles in chemotherapy-induced toxicity, and nanoformulations. **2023**, 100, 105384 ○
- 3 Solvent Free Twin Screw Processed Silybin Nanophospholipid: In Silico, In Vitro and In Vivo Insights. **2022**, 14, 2729 1
- 2 Microbially produced vitamin B12 contributes to the lipid-lowering effect of silymarin. **2023**, 14, ○
- 1 Critical review of therapeutic potential of silymarin in cancer: A bioactive polyphenolic flavonoid. **2023**, 104, 105502 ○