

Agaricus Blazei Murill – Scientific research references

No	First Author	Title	Publication	Country origin of study	Anticancer	Antibacterial	Immunopotentiating	Antitoxicity	Antiinfection	General-Health	Purification	Toxicity
38	Oshiman K	Orally administered beta-1,6-D-polyglucose extracted from Agaricus blazei results in tumor regression in tumor-bearing mice.	Planta Med. 2002 Jul;68(7):610-4.	Japan	x						x	
39	Hirotsani M	Blazeispirols B, C, E and F, des-A-ergostane-type compounds, from the cultured mycelia of the fungus Agaricus blazei.	Phytochemistry. 2002 Mar;59(5):571-7.	Japan							x	
40	Hirotsani M	Biosynthetic studies on blazeispirane and protoblazeispirane derivatives from the cultured mycelia of the fungus Agaricus blazei	Tetrahedron 2002 Dec;58(51):10251-7								x	
41	Xing Z	[Analysis on the volatile flavor compounds in Agaricus blazei by GC-MS] [Article in Chinese]	Zhong Yao Cai. 2003 Nov;26(11):789-91.	Shanghai							x	
42	Barbisan LF	Effects of crude extracts of Agaricus blazei on DNA damage and on rat liver carcinogenesis induced by diethylnitrosamine.	Genet Mol Res. 2003 Sep 30;2(3):295-308.	Brasil	x		x					
43	Lee YL	Oral administration of Agaricus blazei (H1 strain) inhibited tumor growth in a sarcoma 180 inoculation model.	Exp Anim. 2003 Oct;52(5):371-5.	Korea	x							
44	Ebina T	[Activation of antitumor immunity by intratumor injection of biological preparations] [Article in Japanese]	Gan To Kagaku Ryoho. 2003 Oct;30(11):1555-8	Japan	x	x						
45	Pinheiro F	Chemoprevention of preneoplastic liver foci development by dietary mushroom Agaricus blazei Murrill in the rat.	Food Chem Toxicol. 2003 Nov;41(11):1543-50	Brazil			x					
46	Shu CH	Enhanced shear protection and increased production of an anti-tumor polysaccharide by Agaricus blazei in xanthan-supplemented cultures.	Biotechnol Lett. 2003 Jun;25(11):873-6	China	x						x	
47	Luiz RC	Mechanism of anticlastogenicity of Agaricus blazei Murill mushroom organic extracts in wild type CHO (K(1)) and repair deficient (xrs5) cells by chromosome aberration and sister chromatid exchange assays.	Mutat Res. 2003 Jul 25;528(1-2):75-9	Brazil			x					
48	Bellini MF	Anticlastogenic effect of aqueous extracts of Agaricus blazei on CHO-k1 cells, studying different developmental phases of the mushroom.	Toxicol In Vitro. 2003 Aug;17(4):465-9.	Brazil			x					
49	Barbisan LF	Agaricus blazei (Himematsutake) does not alter the development of rat diethylnitrosamine-initiated hepatic preneoplastic foci.	Cancer Sci. 2003 Feb;94(2):188-92	Brazil	x		x					
50	Fukuda M	Genetic variation in cultivated strains of Agaricus blazei	Mycoscience Volume: 44, Issue: 6, December 19, 2003, pp. 431 - 436								x	
51	Ribeiro LR	Dietary components may prevent mutation-related diseases in humans	Mutation Research/Reviews in Mutation Research Volume: 544, Issue: 2-3, November, 2003, pp. 195-201		x		x					
52	Hirotsani M	Agariblazeispirols A and B, an unprecedented skeleton from the cultured mycelia of the fungus, Agaricus blazei	Tetrahedron Letters Volume: 44, Issue: 43, October 20, 2003, pp. 7975 - 7979								x	
53	Okamura-Matsui T	Discovery of alcohol dehydrogenase from mushrooms and application to alcoholic beverages	Journal of Molecular Catalysis B: Enzymatic Volume: 23, Issue: 2-6, September 1, 2003, pp. 133-144								x	
54	Kasai H	IL-12 Production Induced by Agaricus blazei Fraction H (ABH) Involves Toll-like Receptor (TLR).	Evid Based Complement Alternat Med. 2004 Dec;1(3):259-267	Japan			x					
55	Kimura Y	Isolation of an anti-angiogenic substance from Agaricus blazei Murill: its antitumor and antimetastatic actions.	Cancer Sci. 2004 Sep;95(9):758-64.	Japan	x							

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74	Kobayashi H	Suppressing effects of daily oral supplementation of beta-glucan extracted from Agaricus blazei Murill on spontaneous and peritoneal disseminated metastasis in mouse model.	J Cancer Res Clin Oncol. 2005 Aug;131(8):527-38	Japan	x							
75	Kuroiwa Y	Lack of subchronic toxicity of an aqueous extract of Agaricus blazei Murrill in F344 rats.	Food Chem Toxicol. 2005 Jul;43(7):1047-53	Japan								
76	Machado MP	Cytotoxicity, genotoxicity and antimutagenicity of hexane extracts of Agaricus blazei determined in vitro by the comet assay and CHO/HGPRT gene mutation assay.	Toxicol In Vitro. 2005 Jun;19(4):533-9	Brazil			x					
77	Kimura Y	New anticancer agents: in vitro and in vivo evaluation of the antitumor and antimetastatic actions of various compounds isolated from medicinal plants.	In Vivo. 2005 Jan-Feb;19(1):37-60	Japan	x							
78	Kawamura M	Antithetical effects of hemicellulase-treated Agaricus blazei on the maturation of murine bone-marrow-derived dendritic cells.	Immunology. 2005 Mar;114(3):397-409	Japan			x					
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80	Ullrich R	Laccase from the medicinal mushroom Agaricus blazei: production, purification and characterization.	Appl Microbiol Biotechnol. 2005 May;67(3):357-63.	Germany							x	
81	Hirofani M	Agariblazeispirol C from the cultured mycelia of the fungus, Agaricus blazei, and the chemical conversion of blazeispirol A	Tetrahedron Volume:61, Issue:1, January 3, 2005, pp. 189-194								x	
82	Gonzaga ML	Isolation and characterization of polysaccharides from Agaricus blazei Murill	Carbohydrate Polymers Volume: 60, Issue: 1, April 7, 2005, pp. 43-49								x	
83	Chen S.C.	Antiangiogenic activities of polysaccharides isolated from medicinal fungi	FEMS Microbiology Letters Volume: 249, Issue: 2, August 15, 2005, pp. 247-254									
84	Melo S.C.	"Rapid and efficient protocol for DNA extraction and molecular identification of the basidiomycete Crinipellis perniciosa."	Genet Mol Res. 2006 Dec 14;5(4):851-5.	Brazil							x	
85	Mukai H	"An alternative medicine, Agaricus blazei, may have induced severe hepatic dysfunction in cancer patients."	Jpn J Clin Oncol. 2006 Dec;36(12):808-10	Japan	x				x			
86	Jin CY	"Induction of G2/M arrest and apoptosis in human gastric epithelial AGS cells by aqueous extract of Agaricus blazei."	Oncol Rep. 2006 Dec;16(6):1349-55.	Korea	x							
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88	Angeli JP	Protective effects of beta-glucan extracted from Agaricus brasiliensis against chemically induced DNA damage in human lymphocytes.	Cell Biol Toxicol. 2006 Jul;22(4):285-91.	Brazil	x		x					
89	Grinde B	Effects on gene expression and viral load of a medicinal extract from Agaricus blazei in patients with chronic hepatitis C infection.	Int Immunopharmacol. 2006 Aug;6(8):1311-4	Norway				x				
90	Nagaokaa MH	Measurement of a genotoxic hydrazine, agaritine, and its derivatives by HPLC with fluorescence derivatization in the agaricus mushroom and its products.	Chem Pharm Bull (Tokyo). 2006 Jun;54(6):922-4.	Japan							x	
91	Bernardshaw S	An extract of the mushroom agaricus blazei Murill protects against lethal septicemia in a mouse model of fecal peritonitis.	Shock. 2006 Apr;25(4):420-5	Norway		x						

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93	Ellertsen LK	Effect of a medicinal extract from Agaricus blazei Murill on gene expression in a human monocyte cell line as examined by microarrays and immuno assays.	Int Immunopharmacol. 2006 Feb;6(2):133-43	Norway			x					
94	Chen L	Extract from Agaricus blazei Murill can enhance immune responses elicited by DNA vaccine against foot-and-mouth disease.	Vet Immunol Immunopathol. 2006 Jan 15;109(1-2):177-82	China			x		x			
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97	Shibata H	[Evaluation of beta-D-glucan density in blood after drinking an extraction element of Agaricus blazei murill]	Rinsho Biseibutshu Jinsoku Shindan Kenkyukai Shi. 2007;18(2):103-7.	Japan								
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99	Gao L	Primary mechanism of apoptosis induction in a leukemia cell line by fraction FA-2-b-ss prepared from the mushroom Agaricus blazei Murill.	Braz J Med Biol Res. 2007 Nov;40(11):1545-55.	China	x							
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101	Lee IP	Lack of carcinogenicity of lyophilized Agaricus blazei Murill in a F344 rat two year bioassay.	Food Chem Toxicol. 2008 Jan;46(1):87-95.	Republic of Korea								x
102	Nakajima Y	Antioxidant small phenolic ingredients in Inonotus obliquus (persoon) Pilat (Chaga).	Chem Pharm Bull (Tokyo). 2007 Aug;55(8):1222-6	Japan				x				
103	Jin CY	Bcl-2 and caspase-3 are major regulators in Agaricus blazei-induced human leukemic U937 cell apoptosis through dephosphorylation of Akt.	Biol Pharm Bull. 2007 Aug;30(8):1432-7	Republic of Korea.	x							
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105	Faccin LC	Antiviral activity of aqueous and ethanol extracts and of an isolated polysaccharide from Agaricus brasiliensis against poliovirus type 1.	Lett Appl Microbiol. 2007 Jul;45(1):24-8.	Brazil					x			
106	Freire RA	Biological control of Bradysia matogrossensis (Diptera: Sciaridae) in mushroom cultivation with predatory mites.	Exp Appl Acarol. 2007;42(2):87-93.	Brazil								x
107	Bernardshaw S	Effect of an extract of the mushroom Agaricus blazei Murill on expression of adhesion molecules and production of reactive oxygen species in monocytes and granulocytes in human whole blood ex vivo.	APMIS. 2007 Jun;115(6):719-25.	Norway	x	x			x			
108	Rabinovich M	Copper- and zinc-enriched mycelium of Agaricus blazei Murrill: bioaccumulation and bioavailability.	J Med Food. 2007 Mar;10(1):175-83.	Argentina								
109	Suehiro M	Cheilitis due to Agaricus blazei Murill mushroom extract.	Contact Dermatitis. 2007 May;56(5):293-4.	Japan			x					x
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111	Yuminamochi E	Interleukin-12- and interferon-gamma-mediated natural killer cell activation by Agaricus blazei Murill.	Immunology. 2007 Jun;121(2):197-206.	Japan			x					

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112	Kawamura M	"Delayed Cell Cycle Progression and Apoptosis Induced by Hemicellulase-Treated Agaricus blazei."	Evid Based Complement Alternat Med. 2007 Mar;4(1):83-94.	Japan	x							
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117	Sorimachi	Inhibitory effect of Agaricus blazei Murill components on abnormal collagen fiber formation in human hepatocarcinoma cells.	Biosci Biotechnol Biochem. 2008 Feb;72(2):621-3.	Japan	x							
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120	Hsu CH	The mushroom Agaricus blazei Murill extract normalizes liver function in patients with chronic hepatitis B.	J Altern Complement Med. 2008 Apr;14(3):299-301.	Taiwan			x	x				
121	Angeli JP	beta-Glucan extracted from the medicinal mushroom Agaricus blazei prevents the genotoxic effects of benzo[a]pyrene in the human hepatoma cell line HepG2.	Arch Toxicol. 2009 Jan;83(1):81-6.	Brazil			x					
122	Jeurink PV	Immunomodulatory capacity of fungal proteins on the cytokine production of human peripheral blood mononuclear cells.	Int Immunopharmacol. 2008 Aug;8(8):1124-33.	The Netherlands			x					
123	Takimoto H	Amelioration of Skewed Th1/Th2 Balance in Tumor-Bearing and Asthma-Induced Mice by Oral Administration of Agaricus blazei Extracts.	Immunopharmacol Immunotoxicol. 2008;30(4):747-60	Japan	x	x						
124	Gonzaga ML	In vivo growth-inhibition of Sarcoma 180 by an alpha-(1->4)-glucan-beta-(1->6)-glucan-protein complex polysaccharide obtained from Agaricus blazei Murill.	Nat Med (Tokyo). 2009 Jan;63(1):32-40.	Brazil	x	x					x	
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126	Hetland G	Effects of the medicinal mushroom Agaricus blazei Murill on immunity, infection and cancer.	Scand J Immunol. 2008 Oct;68(4):363-70.	Norway	x	x						
127	Ziliotto L	Lack of chemoprevention of dietary Agaricus blazei against rat colonic aberrant crypt foci.	Hum Exp Toxicol. 2008 Jun;27(6):505-11.	Brazil	x		x					
128	Gu Y	Tumorcidal effects of beta-glucans: mechanisms include both antioxidant activity plus enhanced systemic and topical immunity.	Nutr Cancer. 2008;60(5):685-91.	Japan	x							
129	Su ZY	Black Soybean Promotes the Formation of Active Components with Antihepatoma Activity in the Fermentation Product of Agaricus blazei.	J Agric Food Chem. 2008 Oct 22;56(20):9447-54.	Taiwan	x							
130	Ra Yoon M	Antioxidative and antimutagenic activities of 70% ethanolic extracts from four fungal mycelia-fermented specialty rices.	J Clin Biochem Nutr. 2008 Sep;43(2):118-25.	Korea			x					

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131	Yu CH	Inhibitory mechanisms of Agaricus blazei Murill on the growth of prostate cancer in vitro and in vivo.	J Nutr Biochem. 2008 Oct 14.	Taiwan	x							
132	Schmidt TF	Interaction of polysaccharide-protein complex from Agaricus blazei with Langmuir and Langmuir-Blodgett films of phospholipids.	J Colloid Interface Sci. 2008 Oct 17.	Brasil								
133	Ribeiro-Santos G	Lack of chemopreventive activity of Agaricus blazei mushroom on the development of 1,2-dimethylhydrazine-induced colonic aberrant crypt foci in rats.	Nutr Cancer. 2008;60(6):768-75.	Brazil	x							x
134	Itoh H	Blazein of a new steroid isolated from Agaricus blazei Murrill (hime-matsutake) induces cell death and morphological change indicative of apoptotic chromatin condensation in human lung cancer LU99 and stomach cancer KATO III cells.	Oncol Rep. 2008 Dec;20(6):1359-61.	Japan	x							
135	Niu YC	A low molecular weight polysaccharide isolated from Agaricus blazei suppresses tumor growth and angiogenesis in vivo.	Oncol Rep. 2009 Jan;21(1):145-52.	China	x							
136	Kim CF	Inhibitory effects of Agaricus blazei extracts on human myeloid leukemia cells.	J Ethnopharmacol. 2008 Dec 27. [Epub ahead of print]	Hong Kong	x							
137	Ziliotto L	Screening for in vitro and in vivo antitumor activities of the mushroom Agaricus blazei.	Nutr Cancer. 2009;61(2):245-50.	Brazil	x							
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139	Ellertsen LK	An extract of the medicinal mushroom Agaricus blazei Murill can protect against allergy.	Clin Mol Allergy. 2009 May 5;7(1):6. [Epub ahead of print]	Norway			x					
140	Padilha MM	Anti-inflammatory activity of aqueous and alkaline extracts from mushrooms (Agaricus blazei Murill).	J Med Food. 2009 Apr;12(2):359-64	Brasil	x		x					
141	Ribas LC	Use of spent mushroom substrates from Agaricus subrufescens (syn. A. blazei, A. brasiliensis) and Lentinula edodes productions in the enrichment of a soil-based potting media for lettuce (Lactuca sativa) cultivation: Growth promotion and soil bioremediation	Bioresour Technol. 2009 Oct;100(20):4750-7.	Brasil								x
142	Niu YC	Immunostimulatory activities of a low molecular weight antitumoral polysaccharide isolated from Agaricus blazei Murill (LMPAB) in Sarcoma 180 ascitic tumor-bearing mice.	Pharmazie. 2009 Jul;64(7):472-6.	China	x	x						
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144	Holliday JC	Preclinical evaluation of concurrent medicinal mushroom-based immune-enhancement supplementation in dogs undergoing chemotherapy for various cancers	International Journal of Medicinal Mushrooms 11 (2), 167-184	United States	x					x		
145	Ishibashi K-I	Effect of oral administration of dried royal sun agaricus, agaricus brasiliensis S. Wasser et al. (Agaricomycetideae), fruit bodies on anti-β-glucan antibody titers in humans	International Journal of Medicinal Mushrooms 11 (2), 17-131	Japan			x					
146	da Silva, AC	Use of mushroom extract as natural antioxidant in vegetal oil	Ciencia e Agrotecnologia 33 (4), 1103-1108	Brazil			x					
147	Han S-SR	Antimetastatic and Immunomodulating Effect of Water Extracts From Various Mushrooms	JAMS Journal of Acupuncture and Meridian Studies 2 (3), 218-227	South Korea	x	x						
148	Tang NY	Effects of Agaricus blazei murill extract on immune responses in normal BALB/c mice	In Vivo. 2009 Sep-Oct;23(5):761-6.	Taiwan	x	x						
149	Yu CH	Inhibitory mechanisms of Agaricus blazei Murill on the growth of prostate cancer in vitro and in vivo	Journal of Nutritional Biochemistry 20 (10), 753-764	Taiwan	x							

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151	Ribeiro-Santos G	Lack of chemopreventive activity of Agaricus blazei mushroom on the development of 1,2-dimethylhydrazine-induced colonic aberrant crypt foci in rats.	Nutr Cancer. 2008;60(6):768-75.	Brazil	x							x
152	Itoh H	Blazein of a new steroid isolated from Agaricus blazei Murrill (hime-matsutake) induces cell death and morphological change indicative of apoptotic chromatin condensation in human lung cancer LU99 and stomach cancer KATO III cells.	Oncol Rep. 2008 Dec;20(6):1359-61.	Japan	x							
153	Liu Y	Immunomodulating Activity of Agaricus brasiliensis KA21 in Mice and in Human Volunteers	Evid Based Complement Alternat Med. 2008 Jun;5(2):205-219.	Japan	x	x						
154	Ishibashi K-I	Effect of oral administration of dried royal sun agaricus, agaricus brasiliensis S. Wasser et al. (Agaricomycetideae), fruit bodies on anti- β -glucan antibody titers in humans	International Journal of Medicinal Mushrooms 11, 17-131	Japan			x					
155	da Silva, AC	Use of mushroom extract as natural antioxidant in vegetal oil	Ciencia e Agro-tecnologia 33, 1103-1108	Japan				x				
156	Han S-SR	Antimetastatic and Immunomodulating Effect of Water Extracts From Various Mushrooms	JAMS Journal of Acupuncture and Meridian Studies 2 (3), 218-227	South Korea	x	x						
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158	Mourão F	Antineoplastic activity of Agaricus brasiliensis basidiocarps on different maturation phases	Brazilian Journal of Microbiology 40, 901-905	Brasil	x							
159	Qian J-Y	Adulteration identification of some fungal polysaccharides with SEM, XRD, IR and optical rotation: A primary approach	Carbohydrate Polymers 78, 620-625	China								x
160	da Silva CKF	Determination of the diffusion coefficient of dry mushrooms using the inverse method	Journal of Food Engineering 95, 1-10	Brasil								x
161	de Siqueira FG	Cultivation of Agaricus blazei ss. Heinemann using different soils as source of casing materials	Scientia Agricola 66, 827-830	Brasil								x
162	Liu J	Optimization of polysaccharides (ABP) extraction from the fruiting bodies of Agaricus blazei Murill using response surface methodology (RSM)	Carbohydrate Polymers 78, 704-709	China								x
163	Førland DT	An extract based on the medicinal mushroom Agaricus blazei Murill stimulates monocyte-derived dendritic cells to cytokine and chemokine production in vitro	Cytokine 49, 245-50	Norway			x					
164	Volman JJ	Effects of mushroom-derived beta-glucan-rich polysaccharide extracts on nitric oxide production by bone marrow-derived macrophages and nuclear factor-kappaB transactivation in Caco-2 reporter cells: Can effects be explained by structure?	Mol Nutr Food Res. 54, 268-276	The Netherlands		x	x					
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167	Di Naso FC	Effect of Agaricus blazei Murill on the pulmonary tissue of animals with streptozotocin-induced diabetes.	Exp Diabetes Res. 2010;2010:543926	Brazil				x				
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171	Györfi J	Mineral composition of different strains of edible medicinal mushroom Agaricus subrufescens Peck.	J Med Food. 2010 Dec;13(6):1510-4.	Hungary							x	x
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178	Ohno S	Phase I Clinical Study of the Dietary Supplement, Agaricus blazei Murill, in Cancer Patients in Remission.	Evid Based Complement Alternat Med. 2011;2011:192381	Japan	x							
179	Hetland G	The Mushroom Agaricus blazei Murill Elicits Medicinal Effects on Tumor, Infection, Allergy, and Inflammation through Its Modulation of Innate Immunity and Amelioration of Th1/Th2 Imbalance and Inflammation.	Adv Pharmacol Sci. 2011;2011:157015	Norway	x	x	x					
180	Lee JS	Agaricus blazei Murill enhances doxorubicin-induced apoptosis in human hepatocellular carcinoma cells by NFkB-mediated increase of intracellular doxorubicin accumulation.	Int J Oncol. 2011 Feb;38(2):401-8.	Republic of Korea	x							
181	Fernandes MB	Influence of drying methods over in vitro antitumoral effects of exopolysaccharides produced by Agaricus blazei LPB 03 on submerged fermentation.	Bioprocess Biosyst Eng. 2011 Mar;34(3):253-61	Brazil	x							

Agaricus Blazei Murill – Scientific research references

No	First Author	Title	Publication	Country origin of study	Anticancer	Antibacterial	Immunopotential	Antitoxicity	Antiinfection	General-health	Purification	Toxicity
182	Ishii PL	Evaluation of <i>Agaricus blazei</i> in vivo for antigenotoxic, anticarcinogenic, phagocytic and immunomodulatory activities.	Regul Toxicol Pharmacol. 2011 Apr;59(3):412-22	Brazil			x	x				
183	Ueguchi Y	Constituents of cultivated <i>Agaricus blazei</i> .	J Nat Med. 2011 Apr;65(2):307-12	Japan	x							
184	Rahar S	Preparation, characterization, and biological properties of β -glucans.	J Adv Pharm Technol Res. 2011 Apr;2(2):94-103	India						x	x	
185	Niwa A	<i>Ipomoea batatas</i> and <i>Agaricus blazei</i> ameliorate diabetic disorders with therapeutic antioxidant potential in streptozotocin-induced diabetic rats.	J Clin Biochem Nutr. 2011 May;48(3):194-202.	Japan				x				
186	Wu MF	Possible reduction of hepatoma formation by Smmu 7721 cells in SCID mice and metastasis formation by B16F10 melanoma cells in C57BL/6 mice by <i>Agaricus blazei murill</i> extract.	In Vivo. 2011 May-Jun;25(3):399-404.	Taiwan	x							
187	Akiyama H	Agaritrine from <i>Agaricus blazei</i> Murrill induces apoptosis in the leukemic cell line U937.	Biochim Biophys Acta. 2011 May;1810(5):519-25	Japan	x							
188	Su ZY	Blazeispirol A from <i>Agaricus blazei</i> fermentation product induces cell death in human hepatoma Hep 3B cells through caspase-dependent and caspase-independent pathways.	J Agric Food Chem. 2011 May 11;59(9):5109-16.	China	x							
189	Wu MF	Effect of <i>Agaricus blazei</i> Murrill extract on HT-29 human colon cancer cells in SCID mice in vivo.	In Vivo. 2011 Jul-Aug;25(4):673-7	Taiwan	x							
190	Sorimachi K	Alternative medicine safety: <i>agaricus blazei</i> and propolis.	Comb Chem High Throughput Screen. 2011 Aug;14(7):616-21.	Japan								x
191	Peter-Valence F	Chemical characterization of the biomass of an edible medicinal mushroom, <i>Agaricus subrufescens</i> , via solid-state ¹³ C NMR.	J Agric Food Chem. 2011 Aug 24;59(16):8939-43.	France								x
192	Liu J	Structural elucidation of a heteroglycan from the fruiting bodies of <i>Agaricus blazei</i> Murill.	Int J Biol Macromol. 2011 Nov 1;49(4):716-20.	China								x
193	Chang JB	Carbon tetrachloride-induced hepatotoxicity and its amelioration by <i>Agaricus blazei</i> Murrill extract in a mouse model.	In Vivo. 2011 Nov-Dec;25(6):971-6.	Taiwan				x				
194	Gonçalves JL	Pro-inflammatory effects of the mushroom <i>Agaricus blazei</i> and its consequences on atherosclerosis development.	Eur J Nutr. 2011 Nov 16	Brazil								x
195	Yamanaka D	Effect of <i>Agaricus brasiliensis</i> -derived cold water extract on Toll-like receptor 2-dependent cytokine production in vitro.	Immunopharmacol Immunotoxicol. 2011 Nov 29	Japan			x					
196	Valadares DG	Leishmanicidal activity of the <i>Agaricus blazei</i> Murill in different <i>Leishmania</i> species.	Parasitol Int. 2011 Dec;60(4):357-63	Brazil		x						

Agaricus Blazei Murill – Scientific research references

No	First Author	Title	Publication	Country origin of study	Anticancer	Antibacterial	Immunopotential	Antitoxicity	Antinfection	General-health	Purification	Toxicity
197	Lima CU	Agaricus blazei Murrill and inflammatory mediators in elderly women: a randomized clinical trial.	Scand J Immunol. 2012 Mar;75(3):336-41.	Brazil						x		
198	Dong S	Estrogen-like activity and dual roles in cell signaling of an Agaricus blazei Murrill mycelia-dikaryon extract.	Microbiol Res. 2012 Apr 20;167(4):231-7.	Japan								
199	Wu B	A polysaccharide from Agaricus blazei inhibits proliferation and promotes apoptosis of osteosarcoma cells.	Int J Biol Macromol. 2012 May 1;50(4):1116-20	China	x							
200	Chang JB	Evaluation of Genotoxicity and Subclinical Toxicity of Agaricus blazei Murrill in the Ames Test and in Histopathological and Biochemical Analysis.	In Vivo. 2012 May;26(3):437-45.	China				x				
201	Sun L	Bioaccessibility of cadmium in fresh and cooked Agaricus blazei Murill assessed by in vitro biomimetic digestion system.	Food Chem Toxicol. 2012 May;50(5):1729-33.	China							x	x
202	Johnson E	Effect of AndoSan(™) on expression of adhesion molecules and production of reactive oxygen species in human monocytes and granulocytes in vivo.	Scand J Gastroenterol. 2012 May 8	Norway			x					