

Pflanzliche Antimikrobiotika, Antiphlogistika, Analgetika und Immun- Aktivierer Herbal antimicrobials, anti-inflammatories, analgesics and immune - activators

- ➔ [Atanasov AG, Waltenberger B, Pferschy-Wenzig EM](#) et al. (2015) **Discovery and resupply of pharmacologically active plant-derived natural products: A review.** *Biotechnol Adv.* 33(8), 1582-614. doi: 10.1016/j.biotechadv.2015.08.001. <http://www.ncbi.nlm.nih.gov/pubmed/26281720>
<http://www.sciencedirect.com/science/article/pii/S0734975015300276>
- ➔ **“While the intrinsic complexity of natural product-based drug discovery necessitates highly integrated interdisciplinary approaches, the reviewed scientific developments, recent technological advances, and research trends clearly indicate that natural products will be among the most important sources of new drugs also in the future”.**
- ➔ Garvey MI, Rahman MM, Gibbons S, Piddock LJV (2010) **Medicinal plant extracts with efflux inhibitory activity against Gram-negative bacteria.** *International Journal of Antimicrobial Agents.* 37 (2011) 145–151 <http://www.ncbi.nlm.nih.gov/pubmed/21194895>

Beachte aber, note however:

- ➔ Van den Berg, S. et al., (2011) **'Levels of Genotoxic and Carcinogenic Compounds in Plant Food Supplements and Associated Risk Assessment'**, *Food and Nutrition Sciences*, Vol. 2, No 9, pp. 989-1010. <http://www.scirp.org/Journal/PaperInformation.aspx?paperID=8380>
http://xa.yimg.com/kq/groups/4321767/2081201410/name/Plant+food+toxins+FNS20110900009_41576191.pdf
- ➔ Hoang ML et al. (2013) Mutational signature of **aristolochic acid** exposure as revealed by whole-exome sequencing. *Science Translational Medicine*, 5, 197ra102.
- ➔ Poon SL et al. (2013) Genome-wide mutational signatures of **aristolochic acid** and its application as a screening tool. *Science Translational Medicine*, 5, 197ra101.
- ➔ Ahmad B, Ashiq S, Hussain A, Bashir S, Hussain M (2014) **Evaluation of mycotoxins, mycobiota, and toxigenic fungi in selected medicinal plants of Khyber Pakhtunkhwa, Pakistan.** *Fungal Biology*, 118 (9-10): 776 DOI: [10.1016/j.funbio.2014.06.002](https://doi.org/10.1016/j.funbio.2014.06.002)
<http://www.ncbi.nlm.nih.gov/pubmed/25209636>
- ➔ Ashiq S, Hussain A, Ahmad B et al. (2014) **Natural occurrence of mycotoxins in medicinal plants: A review.** *Fungal Genetics and Biology*
<https://www.ncbi.nlm.nih.gov/pubmed/24594211>

- ➔ Cascorbi I. (2012) Arzneimittelinteraktionen. *Deutsches Ärzteblatt.* 109(33-34)
<https://www.aerzteblatt.de/archiv/128411/Arzneimittelinteraktionen-Prinzipien-Beispiele-und-klinische-Folgen>

Gerarde J (1597) *The Herball, or Generall Historie of Plantes*, Verlag J. Norton, London

Willdenow und D.H.F. Link (1831) *Kräuterkunde zu Vorlesungen*, 7. Auflage, Haude&Spener'schen Buchhandlung, Berlin

Strumpf FL (1849) *Handbuch der Arzneimittellehre*, 2. Band, Verlag von Th.C.F. Enslin, Berlin

Oesterlen F (1853) *Lehrbuch der Arzneimittellehre*, 5. neu bearbeitete Auflage, Druckerei Laupp&Siebeck, Tübingen.

Buchheim R (1856) *Handbuch der Heilmittellehre*, 5. Neu Auflage, Verlag Leopold Voss, Leipzig.

Lessing AB (1863) Praktische Arzneimittellehre - Handbuch der speciellen praktischen Arzneimittellehre, 8. neu bearbeitete Auflage, A. Förstner'sche Buchhandlung, Berlin.

Winter AG, Hornbostel M (1953) Untersuchungen über Antibiotika in höheren Pflanzen, Naturwissenschaften 40.

Winter AG (1955) Antibiotische Therapie mit Arzneipflanzen, Planta Med, 3

Tokin BP, Kraack E (1956) Phytonzide. Berlin : VEB Verlag Volk und Gesundheit 230 Seiten

Halbeisen T (1957) Eine antibiotisch wirksame Substanz aus Cochlearia Armoracia, Arzneim.-Forsch./Drug Res., 7

Winter AG (1958) Die Bedeutung ätherischer Öle für die Behandlung von Harnwegsinfektionen, Planta Med 6.

v.Haller A (1977) Lebenswichtig aber unerkant. Phytonzide schützen das Leben. Gesellschaft Boden und Gesundheit, Langenburg. ISBN 3 921540 02 X

Crellin JK, Philpott J, Bass ALT (1990) Herbal Medicine Past and Present: A reference guide to medicinal plants, Duke University Press.

Frohne D, Braun H (2002) Heilpflanzenlexikon, Wissenschaftl. Verlagsgesellschaft mbH, 7. Auflage

Dingermann T, Löw D (2003) Phytopharmakologie, Wissenschaftliche Verlagsgesellschaft mbH

Wagner H, M. Wiesenauer (2003) Phytotherapie, Wissenschaftliche Verlagsgesellschaft mbH, 2. Auflage

Dharmananda S (2005) **Neuroprotective Herbs** and Active Constituents, Approaches to Preventing Degenerative Diseases. <http://www.itmonline.org/arts/neuro.htm>

Tajkarimi MM, Ibrahim SA, Cliver DO (2010) Antimicrobial herb and spice compounds in food. Food Control 21, 1199–1218 <http://www.sciencedirect.com/science/article/pii/S0956713510000459>

Huisman BD (2011) **Lock- und Fraßabwehr- Stoffe speziell bei Pflanzen**. Kurzübersicht <http://www.xerlebnishaft.de/kraeutertherapie.pdf>

Simões M, Lemos M, Simões LC (2012) [Phytochemicals Against Drug-Resistant Microbes](http://link.springer.com/chapter/10.1007%2F978-94-007-3926-0_6) http://link.springer.com/chapter/10.1007%2F978-94-007-3926-0_6

Abreu AC, McBain AJ, Simões M (2012) [Plants as sources of new antimicrobials and resistance-modifying agents](http://www.ncbi.nlm.nih.gov/pubmed/22786554). <http://www.ncbi.nlm.nih.gov/pubmed/22786554>

[Goc A](#), [Rath M](#) (2016) **The anti-borreliae efficacy of phytochemicals and micronutrients: an update**. Ther Adv Infectious Dis 1 –8 DOI: 10.1177/ 2049936116655502 <http://tai.sagepub.com/content/early/2016/07/01/2049936116655502.full.pdf+html>

Kapuzinerkresse, Meerrettich, Senföle, Thioester, Organosulfur, Thymian, Weihrauch, Myrrhe, Mangostane, Durian, Cryptolepsis, Stevia, Carde, Houttuynia cordata Thunb Nasturtium, horseradish, mustard oils, thioester, Organosulfur, thyme, frankincense, myrrh, mangosteen, durian, Cryptolepsis, Stevia, Carde, Houttuynia cordata Thunb

➔ <http://www.kabilahsystems.de/pfefferchilligelbwurz.pdf>

➔ http://www.kabilahsystems.de/samento_banderol.pdf

➔ <http://www.kabilahsystems.de/paupereia.pdf>

Kapuzinerkresse, Meerrettich, Senföle, Thioester, Nasturtium, horseradish, mustard oils, thioester

Klesse P, Lukoschek P (1955) Untersuchungen über die bakteriostatische Wirksamkeit einiger **Senföle**, *Arzneim.-Forsch./Drug Res.*, 5.

Winter AG, Rings-Willeke L (1958) Untersuchungen über den Einfluss von **Senfölen** auf die Vermehrung des Influenza-Virus im exembryonierten Hühnerei, *Archiv für Mikrobiologie* Bd. 31

Kienholz M, Kemkes B (1960) Die antibakterielle Wirkung ätherischer Öle aus **Meerrettichwurzel**, *Arzneim.-Forsch./Drug Res.*, 10.

Kienholz M (1963) Beeinflussung bakterieller Toxine durch Kamillen- und Meerrettich-Inhaltsstoffe, *Arzneim.-Forsch./Drug Res* 13, Heft 9-12 (Publikationsserie).

Conrad A et al. (2006) In-vitro-Untersuchungen zur antibakteriellen Wirksamkeit einer Kombination aus **Kapuzinerkressenkraut** (*tropaeoli majoris Herba*) und **Meerrettichwurzel** (*Armoraciae rusticanae radix*), *Drug Res* 56/12.

Schilcher H, Kammerer S, Wegener T (2007) Leitfaden Phytotherapie, Verlag Urban & Fischer, München-Jena.

Albrecht U, Goos KH, Schneider B (2007) A randomised, double-blind, placebo-controlled trial of a herbal medicinal product containing **Tropaeoli majoris herba** (Nasturtium) and **Armoraciae rusticanae radix** (Horseradish) for the prophylactic treatment of patients with chronically recurrent lower urinary tract infections. *Curr Med Res Opin* 23(10), 2415-22. [Abstract](#)

Conrad A et al. (2008) **Breite antibakterielle Wirkung** einer Mischung von **Senfölen** in vitro, *Z Phytotherapie* 29, Suppl. 1.

Ban JO, Oh JH, Kim TM, et al. (2009) **Anti-inflammatory** and arthritic effects of thiacremonone, a novel sulfur compound isolated from garlic via inhibition of NF-kappaB. *Arthritis Res Ther*; 11(5), R145. [Abstract](#)

Park JH, Park YK, Park E (2009) **Antioxidative and antigenotoxic effects** of garlic (*Allium sativum* L.) prepared by different processing methods. *Plant Foods Hum Nutr* 64(4), 244-9. [Abstract](#)

Sowjanya BL, Devi KR, Madhavi D (2009) Modulatory effects of **garlic** extract against the **cyclophosphamide induced genotoxicity** in human lymphocytes in vitro. *J Environ Biol* 30(5), 663-6. [Abstract](#)

Ayala-Zavala JF, González-Aguilar GA (2010) Optimizing the use of **garlic** oil as **antimicrobial agent** on fresh-cut tomato through a controlled release system. *J Food Sci* 75(7), M398-405. [Abstract](#)

Williams FM, Skinner J, Spector TD, et al. (2010) Dietary **garlic** and hip **osteoarthritis**: evidence of a protective effect and putative mechanism of action. *BMC Musculoskelet Disord* 280. [Abstract](#)

Zhang W, Ha M, Gong Y, et al. (2010) **Allicin** induces apoptosis in **gastric cancer cells** through activation of both extrinsic and intrinsic pathways. *Oncol Rep* 24(6), 1585-92. [Abstract](#)

Ginter E, Simko V (2010) **Garlic** (*Allium sativum* L.) and **cardiovascular diseases**. *Bratisl Lek Listy* 111(8), 452-6. [Abstract](#)

Sobenin IA, Pryanishnikov VV, Kunnova LM, et al. (2010) The effects of time-released **garlic** powder tablets on multifunctional cardiovascular risk in patients with **coronary artery disease**. *Lipids Health Dis* 119. [Abstract](#)

Gruhlke MC, Portz D, Stitz M, et al. (2010) **Allicin** disrupts the cell's electrochemical potential and induces **apoptosis in yeast**. *Free Radic Biol Med* 49(12), 1916-24. [Abstract](#)

- Prasad K (2010) Natural products in regression and slowing of progression of **atherosclerosis**. *Curr Pharm Biotechnol* 11(8), 794-800. [Abstract](#)
- Vovolis V, Kalogiros L, Ivanova D, et al. (2010) **Garlic**-induced **severe anaphylaxis** in a nonatopic patient. *J Investig Allergol Clin Immunol* 20(4), 356. [Full Citation](#)
- Waag T, Gelhaus C, Rath J, et al. (2010) **Allicin** and derivatives are cysteine protease inhibitors with **antiparasitic activity**. *Bioorg Med Chem Lett* 20(18), 541-3. [Abstract](#)
- Mousa SA (2010) **Antithrombotic effects** of naturally derived products on coagulation and platelet function. *Methods Mol Biol* 229-40. [Abstract](#)
- Shin DY, Kim GY, Kim JI, et al. (2010) Anti-invasive activity of **diallyl disulfide** through tightening of tight junctions and inhibition of matrix metalloproteinase activities in LNCaP **prostate cancer cells**. *Toxicol In Vitro* 24(6), 1569-76. [Abstract](#)
- Ried K, Frank OR, Stocks NP (2010) Aged **garlic** extract lowers blood pressure in patients with treated but uncontrolled **hypertension**: a randomised controlled trial. *Maturitas* 67(2), 144-50. [Abstract](#)
- Campbell A (2010) Natural ways to **lower your cholesterol**. *Diabetes Self Manag* 27(3), 40, 42, 44-6. [Full Citation](#)
- Vazquez-Prieto MA, González RE, Renna NF, et al. (2010) Aqueous **garlic** extracts **prevent oxidative stress** and vascular remodeling in an experimental model of metabolic syndrome. *J Agric Food Chem* 58(11), 6630-5. [Abstract](#)
- Smyth AR, Cifelli PM, Ortori CA, et al. (2010) Garlic as an inhibitor of *Pseudomonas aeruginosa* **quorum sensing** in cystic fibrosis--a pilot randomized controlled trial. *Pediatr Pulmonol* 45(4),356-62. [Abstract](#)
- Shin HA, Cha YY, Park MS, et al. (2010) **Diallyl sulfide** induces growth inhibition and apoptosis of anaplastic **thyroid cancer cells** by mitochondrial signaling pathway. *Oral Oncol* 46(4), e15-8. [Abstract](#)
- Busch C, Jacob C, Anwar A, et al. (2010) **Diallylpolysulfides** induce **growth arrest and apoptosis**. *Int J Oncol* 36(3), 743-9. [Abstract](#)
- Clement F, Pramod SN, Venkatesh YP (2010) Identity of the **immunomodulatory proteins** from **garlic** (*Allium sativum*) with the major garlic lectins or agglutinins. *Int Immunopharmacol* 10(3), 316-24. [Abstract](#)
- Goncagul G, Ayaz E (2010) **Antimicrobial effect of garlic** (*Allium sativum*). *Recent Pat Antiinfect Drug Discov* 5(1), 91-3. [Abstract](#)
- Wang YB, Qin J, Zheng XY, et al. (2010) **Diallyl trisulfide** induces Bcl-2 and caspase-3-dependent apoptosis via downregulation of Akt phosphorylation in human T24 **bladder cancer** cells. *Phytomedicine* 17(5), 363-8. [Abstract](#)
- El-Aasr M, Fujiwara Y, Takeya M, et al. (2011) Garlicin A from the fraction **regulating macrophage activation** of **Allium sativum**. *Chem Pharm Bull (Tokyo)* 59(11), 1340-3. [Abstract](#)
- Pei Y, Wu B, Cao Q, et al. (2011) Hydrogen sulfide mediates the anti-survival effect of sulforaphane on human **prostate cancer cells**. *Toxicol Appl Pharmacol* 257(3), 420-8. [Abstract](#)
- Ashraf R, Khan RA, Ashraf I (2011) **Garlic** (*Allium sativum*) supplementation with standard antidiabetic agent provides **better diabetic control** in type 2 diabetes patients. *Pak J Pharm Sci* 24(4), 565-70. [Abstract](#)
- Vanmierlo T, Popp J, Kölsch H et al. (2011) The plant sterol **brassicasterol** as additional CSF biomarker in **Alzheimer's disease**. *Acta Psychiatr Scand.* 124(3), 184-92.

Altonsy MO, Andrews SC (2011) **Diallyl disulphide**, a beneficial component of garlic oil, causes a redistribution of cell-cycle growth phases, induces apoptosis, and enhances butyrate-induced apoptosis in **colorectal adenocarcinoma cells (HT-29)**. *Nutr Cancer* 63(7), 1104-13. [Abstract](#)

Liang D, Qin Y, Zhao W, et al. (2011) **S-allylmercaptocysteine** effectively inhibits the proliferation of **colorectal cancer cells** under in vitro and in vivo conditions. *Cancer Lett* 310(1), 69-76. [Abstract](#)

Ray B, Chauhan NB, Lahiri DK (2011) The "aged **garlic** extract:" (AGE) and one of its active ingredients S-allyl-L-cysteine (SAC) as potential preventive and therapeutic agents for **Alzheimer's disease** (AD). *Curr Med Chem* 18(22), 3306-13. [Abstract](#)

Miroddi M, Calapai F, Calapai G (2011) Potential beneficial effects of **garlic** in **oncohematology**. *Mini Rev Med Chem* 11(6), 461-72. [Abstract](#)

Lee Y, Kim H, Lee J, et al. (2011) **Anticancer activity** of **S-allylmercapto-L-cysteine** on implanted tumor of human gastric cancer cell. *Biol Pharm Bull* 34(5), 677-81. [Abstract](#)

Karmakar S, Choudhury SR, Banik NL, et al. (2011) Molecular mechanisms of **anti-cancer action** of **garlic** compounds in neuroblastoma. [Journal Article, Research Support, N.I.H., Extramural, Review] *Anticancer Agents Med Chem* 11(4), 398-407. [Abstract](#)

Yalindag-Ozturk N, Ozdamar M, Cengiz P (2011) Trial of **garlic** as an adjunct therapy for **multidrug resistant Pseudomonas aeruginosa pneumonia** in a critically ill infant. *J Altern Complement Med* 17(4), 379-80. [Abstract](#)

Zhou Y, Zhuang W, Hu W, et al. (2011) Consumption of large amounts of **Allium vegetables** reduces risk for **gastric cancer** in a meta-analysis. *Gastroenterology* 141(1), 80-9. [Abstract](#)

Huang YS, Xie N, Su Q, et al. (2011) **Diallyl disulfide** inhibits the proliferation of HT-29 **human colon cancer cells** by inducing differentially expressed genes. *Mol Med Report* 4(3), 553-9. [Abstract](#)

Lee HJ, Park HS, Kim KH, et al. (2011) Effect of garlic on **bacterial biofilm** formation on orthodontic wire. *Angle Orthod* 81(5), 895-900. [Abstract](#)

Yakoob J, Abbas Z, Beg MA, et al. (2011) In vitro sensitivity of **Blastocystis hominis** to **garlic, ginger, white cumin, and black pepper** used in diet. *Parasitol Res* 109(2), 379-85. [Abstract](#)

Hassan HT (2011) Prospective clinical role for **anticancer garlic organosulfur compounds**. *Anticancer Agents Med Chem* 11(3), 247-8. [Full Citation](#)

Wu PP, Chung HW, Liu KC, et al. (2011) **Diallyl sulfide** induces **cell cycle arrest and apoptosis** in **HeLa human cervical cancer cells** through the p53, caspase- and mitochondria-dependent pathways. *Int J Oncol* 38(6), 1605-13. [Abstract](#)

Tsubura A, Lai YC, Kuwata M, et al. (2011) **Anticancer effects** of **garlic and garlic-derived compounds** for breast cancer control. *Anticancer Agents Med Chem* 11(3), 249-53. [Abstract](#)

Druesne-Pecollo N, Latino-Martel P (2011) Modulation of **histone acetylation** by **garlic sulfur compounds**. *Anticancer Agents Med Chem* 11(3), 254-9. [Abstract](#)

Dini C, Fabbri A, Geraci A (2011) The potential role of **garlic** (*Allium sativum*) against the **multi-drug resistant tuberculosis pandemic**: a review. *Ann Ist Super Sanita* 47(4), 465-73. [Abstract](#)

Antony ML, Singh SV (2011) Molecular mechanisms and targets of **cancer chemoprevention** by **garlic-derived bioactive compound diallyl trisulfide**. *Indian J Exp Biol* 49(11), 805-16. [Abstract](#)

Guo Y, Zhang K, Wang Q, et al. (2011) Neuroprotective effects of **diallyl trisulfide** in SOD1-G93A transgenic mouse model of **amyotrophic lateral sclerosis**. *Brain Res* 110-5. [Abstract](#)

Jimenez L, Zacharisen M (2011) **Severe pepper allergy** in a young child. *WMJ* 110(3), 138-9. [Abstract](#)

Nidadavolu P, Amor W, Tran PL, et al. (2012) **Garlic** ointment **inhibits biofilm formation** by bacterial pathogens from burn wounds. J Med Microbiol 61(Pt 5), 662-71. [Abstract](#)

Borhan-Mojabi K, Sharifi M, Karagah T (2012) Efficacy of different concentrations of **garlic** extract in **reduction of oral salivary microorganisms**. Arch Iran Med 15(2), 99-101. [Abstract](#)

Ma JL, Zhang L, Brown LM, et al. (2012) Fifteen-year effects of **Helicobacter pylori**, **garlic**, and vitamin treatments on gastric cancer incidence and mortality. J Natl Cancer Inst 104(6), 488-92. [Abstract](#)

Filobos G, Chapman T, Gesakis K (2012) Iatrogenic burns from **garlic**. J Burn Care Res 33(1), e21. [Full Citation](#)

Nepravishta R, Sabelli R, Iorio E, et al. (2012) Oxidative species and S-glutathionyl conjugates in the **apoptosis induction** by **allyl thiosulfate**. FEBS J 279(1), 154-67. [Abstract](#)

Wang X, Jiao F, Wang QW, et al. (2012) Aged black **garlic** extract induces **inhibition of gastric cancer cell growth** in vitro and in vivo. Mol Med Report 5(1), 66-72. [Abstract](#)

Liu Z, Li M, Chen K, et al. (2012) **S-allylcysteine** induces cell cycle arrest and apoptosis in androgen-independent human **prostate cancer cells**. Mol Med Report 5(2), 439-43. [Abstract](#)

[Theophilus](#) PAS, [Victoria](#) MJ, [Socarras](#) KM et al. (215) **Effectiveness of Stevia rebaudiana whole leaf extract against the various morphological forms of Borrelia burgdorferi in vitro**. European Journal of Microbiology and Immunology Original article DOI: 10.1556/1886.2015.00031 <http://www.akademai.com/doi/pdf/10.1556/1886.2015.00031>

Thymian, thyme

Shin S, Kim JH (2004) **Antifungal activities** of essential oils from Thymus quinquecostatus and T. magnus. Planta Med 70(11), 1090-2. [Abstract](#)

Nostro A, Blanco AR, Cannatelli MA, et al. (2004) Susceptibility of **methicillin-resistant staphylococci** to oregano essential oil, carvacrol and thymol. FEMS Microbiol Lett 230(2), 191-5. [Abstract](#)

Couladis M, Tzakou O, Kujundzic S, et al. (2004) Chemical analysis and **antifungal activity** of Thymus striatus. Phytother Res 18(1), 40-2. [Abstract](#)

Park BS, Choi WS, Kim JH, et al. (2005) Monoterpenes from thyme (Thymus vulgaris) as **potential mosquito repellents**. J Am Mosq Control Assoc 21(1), 80-3. [Abstract](#)

Aydin S, Basaran AA, Basaran N (2005) **Modulating effects** of thyme and its major ingredients on oxidative DNA damage in human lymphocytes. J Agric Food Chem 53(4), 1299-305. [Abstract](#)

Horváthová E, Sramková M, Lábaj J, et al. (2006) Study of **cytotoxic, genotoxic and DNA-protective effects** of selected plant essential oils on human cells cultured in vitro. Neuro Endocrinol Lett 44-7. [Abstract](#)

Braga PC, Dal Sasso M, Culici M, et al. (2006) **Anti-inflammatory activity** of thymol: inhibitory effect on the release of human neutrophil elastase. Pharmacology 77(3), 130-6. [Abstract](#)

Braga PC, Dal Sasso M, Culici M, et al. (2006) **Antioxidant potential** of thymol determined by chemiluminescence inhibition in human neutrophils and cell-free systems. Pharmacology 76(2), 61-8. [Abstract](#)

Braga PC, Sasso MD, Culici M, et al. (2007) Eugenol and thymol, alone or in combination, induce morphological alterations in the envelope of **Candida albicans**. Fitoterapia 78(6), 396-400. [Abstract](#)

Falcone PM, Mastromatteo M, Del Nobile MA, et al. (2007) Evaluating in vitro **antimicrobial activity** of thymol toward hygiene-indicating and pathogenic bacteria. J Food Prot 70(2), 425-31. [Abstract](#)

Slamenová D, Horváthová E, Sramková M, et al. (2007) DNA-protective effects of two components of essential plant oils carvacrol and thymol on **mammalian cells cultured in vitro**. Neoplasma 54(2), 108-12. [Abstract](#)

Buyukleyla M, Rencuzogullari E (2009) The effects of thymol on sister chromatid exchange, chromosome aberration and micronucleus in human lymphocytes. Ecotoxicol Environ Saf 72(3), 943-7. [Abstract](#)

Braga PC, Dal Sasso M, Culici M, et al. (2010) Inhibitory activity of thymol on native and mature Gardnerella **vaginalis biofilms**: in vitro study. Arzneimittelforschung 60(11), 675-81. [Abstract](#)

Ahmad A, Khan A, Akhtar F, et al. (2011) **Fungicidal activity** of thymol and carvacrol by disrupting ergosterol biosynthesis and membrane integrity against Candida. Eur J Clin Microbiol Infect Dis 30(1), 41-50. [Abstract](#)

Chang HT, Hsu SS, Chou CT, et al. (2011) Effect of thymol on Ca²⁺ homeostasis and viability in MG63 human **osteosarcoma cells**. Pharmacology 88(3-4), 201-12. [Abstract](#)

Hsu SS, Lin KL, Chou CT, et al. (2011) Effect of thymol on Ca²⁺ homeostasis and viability in human **glioblastoma cells**. Eur J Pharmacol 670(1), 85-91. [Abstract](#)

Deb DD, Parimala G, Saravana Devi S, et al. (2011) Effect of thymol on peripheral blood mononuclear cell PBMC and acute **promyelotic cancer cell line HL-60**. Chem Biol Interact 193(1),97-106. [Abstract](#)

Sosto F, Benvenuti C (2011) Controlled study on thymol + eugenol vaginal douche versus econazole in **vaginal candidiasis** and metronidazole in **bacterial vaginosis**. Arzneimittelforschung 61(2), 126-31. [Abstract](#)

Kaji I, Karaki S, Kuwahara A (2011) Effects of luminal thymol on **epithelial transport in human and rat colon**. Am J Physiol Gastrointest Liver Physiol 300(6), G1132-43. [Abstract](#)

Satooka H, Kubo I (2012) Effects of thymol on B16-F10 **melanoma cells**. J Agric Food Chem 60(10), 2746-52. [Abstract](#)

Weihrauch, frankincense

Kar A- Menon MK. (1969) **Analgetic effect** of the gum resin of Boswellia serrata Roxb. Life Sciences 8, 1023-1028

Ammon HP, Safayhi H, Mack T, et al. (1993) Mechanism of **antiinflammatory actions** of curcumine and boswellic acids. J Ethnopharmacol 38(2-3), 113-9. [Abstract](#)

Adelakun EA, Finbar EA, Agina SE, et al. (2001) **Antimicrobial activity** of Boswellia dalzielii stem bark. Fitoterapia 72(7), 822-4. [Abstract](#)

Ammon HP (2002) Boswellic acids (components of frankincense) as the active principle in **treatment of chronic inflammatory diseases**. Wien Med Wochenschr 152(15-16), 373-8. [Abstract](#)

Zhao W, Entschladen F, Liu H, et al. (2003) Boswellic acid acetate induces differentiation and apoptosis in highly metastatic melanoma and fibrosarcoma cells. Cancer Detect Prev 27(1), 67-75. [Abstract](#)

Ammon HP (2006) Boswellic acids in **chronic inflammatory diseases**. Planta Med 72(12), 1100-16. [Abstract](#)

Yuan G, Wahlqvist ML, He G, et al. (2006) Natural products and **anti-inflammatory activity**. Asia Pac J Clin Nutr 15(2), 143-52. [Abstract](#)

Shah BA, Kumar A, Gupta P, et al. (2007) **Cytotoxic and apoptotic activities** of novel amino analogues of boswellic acids. Bioorg Med Chem Lett 17(23), 6411-6. [Abstract](#)

Madisch A, Miehle S, Eichele O, et al. (2007) Boswellia serrata extract for the **treatment of collagenous colitis**. A double-blind, randomized, placebo-controlled, multicenter trial. Int J Colorectal Dis 22(12), 1445-51. [Abstract](#)

Bhushan S, Kumar A, Malik F, et al. (2007) A triterpenediol from Boswellia serrata **induces apoptosis** through both the intrinsic and extrinsic apoptotic pathways in human leukemia HL-60 cells. Apoptosis 12(10), 1911-26. [Abstract](#)

Mayer JG (2008) Gold, frankincense and myrrh. Dtsch Med Wochenschr 133(51-52), 2665-8. [Full Citation](#)

Boswellia serrata. Monograph. Altern Med Rev (2008) (2), 165-7. [Full Citation](#)

Krüger P, Daneshfar R, Eckert GP, et al. (2008) Metabolism of boswellic acids in vitro and in vivo. Drug Metab Dispos 36(6), 1135-42. [Abstract](#)

Lu M, Xia L, Hua H, et al. (2008) Acetyl-keto-beta-boswellic acid induces apoptosis through a death receptor 5-mediated pathway in prostate cancer cells. Cancer Res 68(4), 1180-6. [Abstract](#)

Clarke JO, Mullin GE (2008) A review of complementary and alternative approaches to immunomodulation. Nutr Clin Pract 23(1), 9-62. [Abstract](#)

Cassileth B (2009) Complementary therapies, herbs, and other OTC agents: Boswellia (Boswellia serrata). Oncology (Williston Park) 23(12), 1108. [Full Citation](#)

Moussaieff A, Mechoulam R (2009) Boswellia resin: from religious ceremonies to medical uses; a review of in-vitro, in-vivo and clinical trials. J Pharm Pharmacol 61(10), 1281-93. [Abstract](#)

Tausch L, Henkel A, Siemoneit U, et al. (2009) Identification of human cathepsin G as a functional target of boswellic acids from the anti-inflammatory remedy frankincense. J Immunol 183(5), 3433-42. [Abstract](#)

Frank MB, Yang Q, Osban J, et al. (2009) Frankincense oil derived from Boswellia carteri induces tumor cell specific cytotoxicity. BMC Complement Altern Med 6. [Abstract](#)

Sengupta K, Krishnaraju AV, Vishal AA, et al. (2010) Comparative efficacy and tolerability of 5-Loxin and Aflapin Against osteoarthritis of the knee: a double blind, randomized, placebo controlled clinical study. Int J Med Sci 7(6), 366-77. [Abstract](#)

Suhail MM, Wu W, Cao A, et al. (2011) Boswellia sacra essential oil induces tumor cell-specific apoptosis and suppresses tumor aggressiveness in cultured human breast cancer cells. BMC Complement Altern Med 129. [Abstract](#)

Park B, Prasad S, Yadav V, et al. (2011) Boswellic acid suppresses growth and metastasis of human pancreatic tumors in an orthotopic nude mouse model through modulation of multiple targets. PLoS One 6(10), e26943. [Abstract](#)

Sengupta K, Kolla JN, Krishnaraju AV, et al. (2011) Cellular and molecular mechanisms of anti-inflammatory effect of Aflapin: a novel Boswellia serrata extract. Mol Cell Biochem 354(1-2), 189-97. [Abstract](#)

Park B, Sung B, Yadav VR, et al. (2011) Acetyl-11-keto- β -boswellic acid suppresses invasion of pancreatic cancer cells through the downregulation of CXCR4 chemokine receptor expression. Int J Cancer 129(1), 23-33. [Abstract](#)

Schmidt TJ, Kaiser M, Brun R (2011) Complete structural assignment of serratol, a cembrane-type diterpene from *Boswellia serrata*, and evaluation of its antiprotozoal activity. *Planta Med* 77(8), 849-50. [Abstract](#)

Holtmeier W, Zeuzem S, Preiss J, et al. (2011) Randomized, placebo-controlled, double-blind trial of *Boswellia serrata* in maintaining remission of Crohn's disease: good safety profile but lack of efficacy. *Inflamm Bowel Dis* 17(2), 573-82. [Abstract](#)

Yadav VR, Prasad S, Sung B, et al. (2012) Boswellic acid inhibits growth and metastasis of human colorectal cancer in orthotopic mouse model by downregulating inflammatory, proliferative, invasive and angiogenic biomarkers. *Int J Cancer* 130(9), 2176-84. [Abstract](#)

Cameron M, Chrubasik S (2014) [Oral herbal therapies for treating osteoarthritis](#). *Boswellia serrata*.

Heißmann N Nahrungsergänzungsmittel (2014) [Weihrauch gegen Entzündungen – sinnvoll oder nur teuer?](#)

Stichtenoth DO, Deutsche Rheuma-Liga (2015) [Phytotherapeutika - Nutzen und Risiken](#).

Krebsinformationsdienst (2016) [Weihrauch in der Krebstherapie – unbewiesen oder altbewährt?](#), Boswelliasäuren zur komplementären Behandlung,

Myrrhe, myrrh

Hillson RM (1988) Gold, frankincense and myrrh. *J R Soc Med* 81(9), 542-3 [Full Citation](#)

Cameron A (1989) Gold, frankincense and myrrh. *J R Soc Med* 82(2), 124. [Full Citation](#)

Gallo R, Rivara G, Cattarini G, et al. (1999) Allergic contact dermatitis from myrrh. *Contact Dermatitis* 41(4), 230-1. [Full Citation](#)

Sheir Z, Nasr AA, Massoud A, et al. (2001) A safe, effective, herbal **antischistosomal therapy** derived from myrrh. *Am J Trop Med Hyg* 65(6), 700-4. [Abstract](#)

Forsius A (2003) Gold, incense and myrrh. *Duodecim* 119(23), 2323-9. [Full Citation](#)

El Ashry ES, Rashed N, Salama OM, et al. (2003) Components, therapeutic value and uses of myrrh. *Pharmazie* 58(3), 163-8. [Abstract](#)

Soliman OE, El-Arman M, Abdul-Samie ER, et al. (2004) Evaluation of myrrh (Mirazid) therapy in fascioliasis and intestinal schistosomiasis in children: immunological and parasitological study. *J Egypt Soc Parasitol* 34(3), 941-66. [Abstract](#)

Abo-Madyan AA, Morsy TA, Motawea SM (2004) Efficacy of Myrrh in the treatment of schistosomiasis (*haematobium* and *mansoni*) in Ezbet El-Bakly, Tamyia Center, El-Fayoum Governorate, Egypt. *J Egypt Soc Parasitol* 34(2), 423-46. [Abstract](#)

Barakat R, Elmorshedy H, Fenwick A (2005) Efficacy of myrrh in the treatment of human *Schistosomiasis mansoni*. *Am J Trop Med Hyg* 73(2), 365-7. [Abstract](#)

Mayer JG (2008) Gold, frankincense and myrrh. *Dtsch Med Wochenschr* 133(51-52), 2665-8. [Full Citation](#)

Shen T, Lou HX (2008) Bioactive constituents of myrrh and frankincense, two simultaneously prescribed gum resins in chinese traditional medicine. *Chem Biodivers* 5(4), 540-53. [Full Citation](#)

Becher P, Patai A (2009) Gold, incense and myrrh. *Lege Artis Med* 19(12), 820-2. [Full Citation](#)

Abdul-Ghani RA, Loutfy N, Hassan A (2009) Myrrh and **trematodoses** in Egypt: an overview of

safety, efficacy and effectiveness profiles. *Parasitol Int* 58(3), 210-4. [Abstract](#)

Yakoot M (2010) A short review of the **anthelmintic** role of Mirazid. *Arq Gastroenterol* 47(4), 393-4. [Abstract](#)

Osman MM, El-Taweel HA, Shehab AY, et al. (2010) Ineffectiveness of myrrh-derivative Mirazid against schistosomiasis and fascioliasis in humans. *East Mediterr Health J* 16(9), 932-6. [Abstract](#)

Massoud AM, El-Sherbini ET, Mos N, et al. (2010) Mirazid in treatment of three zoonotic trematodes in Beni-Sweif and Dakhalia Governorates. *J Egypt Soc Parasitol* 40(1), 119-34. [Abstract](#)

Wang XL, Kong F, Shen T, et al. (2011) Sesquiterpenoids from myrrh inhibit androgen receptor expression and function in human prostate cancer cells. *Acta Pharmacol Sin* 32(3), 338-44. [Abstract](#)

Rahimmalek M, Mirzakhani Mi, Pirbalouti AG (2013) Essential oil variation among 21 wild myrtle (*Myrtus communis* L.) populations collected from different geographical regions in Iran. *Industrial Crops and Products* 51, 328– 333 · DOI: 10.1016/j.indcrop.2013.09.010

Mangostane, mangosteen

→ Verbraucherzentrale Berlin (2016) **Nahrungsergänzungsmittel - eine Produktübersicht von A-Z** <http://www.vz-berlin.de/UNIQU134502517831798/link501421A.html>

Shankaranarayanan et al.(1980) Effect of Mangosteen, a Xanthone from *Garcinia mangostana* Linn. In *Immunopathological and Inflammation Reactions*, 18 *Indian Journal of Experimental Biology*, 843–846

Shankaranarayanan et al. (1980) Xanthone from *Garcinia mangostana*. Visible effects of Mangosteen fruit, In *Immunopathological and Inflammation Reactions*, 18 *Indian Journal of Experimental Biology*, 843–846

Sundaram BM, Gopalakrishnan C, Subramanian S et al. (1983) Antimicrobial activities of *Garcinia mangostana*. In: *Planta Med.* 48 (1), 59–60.

Mahabusarakam et al. (1986) Antimicrobial activities of Chemical Constituents from *Garcinia mangostana* Linn. 12 *J. Sci. Soc. Thailand*, 239–242

Jinsart et al. (1992) Inhibition of Wheat Embryo Calcium-dependent Protein Kinase and Other Kinases by Mangostin and β -mangostin, 31 *Phytochemistry* No. 11, S. 3711–3713

Yoshikawa M, Harada E, Miki A, et al. (1994) Antioxidant constituents from the fruit hulls of Mangosteen (*Garcinia mangostana* L.) Originating in Vietnam. *Yakugaku Zasshi.* 114, 129–133.

Williams P, Ongsakul M, Proudfoot J, et al. (1995) Mangostin inhibits the oxidative modification of human low density lipoprotein. *Free Radic Res* 23(2), 175-84. [Abstract](#)

Iinuma M., Tosa H., Tanaka T et al. (1996) Antibacterial activity of xanthenes from guttiferaceous plants against methicillin-resistant *Staphylococcus aureus*, *J Pharm Pharmacol* 48(8), 861–865.

Bonnie Tay Yen Ping (1996) Chemical constituents of *Garcinia mangostana*, *G. Parvifolia*, *G. griffiti*, and *G. diversifolia* (*Guttifera* e) and their biological activities. Dissertation from University Putra Malaysia

Gopalakrishnan G., Banumathi B., Suresh G. (1997) Evaluation of the antifungal activity of natural xanthenes from *Garcinia mangostana* and their synthetic derivatives, *J Nat Prod* 60 (5) 519–524.

Fan et al. (1997) Antioxidative Mechanism of Isolated Components from Methanol Extract of Fruit Hulls of *Garcinia mangostana* L., 35 *J. Chinese Agricultural Chem. Soc.*, No. 5, S. 540 – 551

- Mahabusarakam et al. (2000) Inhibition of Lipoprotein Oxidation by Prenylated Xanthenes Derived from Mangosteen, 33 Free Rad Res., S. 643–659
- Peres et al. (2000) Tetraoxygenated Naturally Occuring Xanthenes,. In: Phytochemistry. 55, 683–710.
- Matsumoto K, Akao Y, Kobayashi E, et al. (2003) Induction of apoptosis by xanthenes from mangosteen in human leukemia cell lines. J Nat Prod 66(8), 1124-7. [Abstract](#)
- Moongkarndi P, Kosem N, Kaslungka S, et al. (2004) Antiproliferation, antioxidation and induction of apoptosis by Garcinia mangostana (mangosteen) on SKBR3 human breast cancer cell line. Ethnopharmacol 90(1), 161-6. [Abstract](#)
- Voravuthikunchai SP, Kitpipit L (2005) Activity of medicinal plant extracts against hospital isolates of methicillin-resistant Staphylococcus aureus. Clin Microbiol Infect 11(6), 510-2. [Abstract](#)
- Sakagami Y, Iinuma M, Piyasena KG, et al. (2005) Antibacterial activity of alpha-mangostin against vancomycin resistant Enterococci (VRE) and synergism with antibiotics. Phytomedicine 12(3), 203-8. [Abstract](#)
- Chopra RN, Nayar SL, Chopra IC. (2006) Garcinia mangostana rind of fruit consumed for chronic diarrhea and dysentery. "Glossary of Indian Medicinal Plants". National Institute of Science Communication and Information (CSIR) First Edition 1956 Seventh Reprint 2006.
- Daniel M (2006) Xanthenes of mangosteen fruit shows the result of being hepatoprotective, CNS depressant, anti-inflammatory and antiulcer. Mangostin is a cardio tonic. Medicinal Plants Chemistry and Properties. Science Publishers
- Yeung S (2006) Mangosteen for the cancer patient: facts and myths. J Soc Integr Oncol 4(3), 130-4. [Abstract](#)
- Bauer B. (2007) Mangosteen peel which contains the xanthenes has had no adverse side effects reported. Research shows that it has been given to treat many human ailments. Mayo Clinic Book of Alternative Medicine. Time Inc.
- Chomnawang MT, Surassmo S, Nukoolkarn VS, et al. (2007) Effect of Garcinia mangostana on inflammation caused by Propionibacterium acnes. Fitoterapia 78(6), 401-8. [Abstract](#)
- Nakagawa Y, Iinuma M, Naoe T, et al. (2007) Characterized mechanism of alpha-mangostin-induced cell death: caspase-independent apoptosis with release of endonuclease-G from mitochondria and increased miR-143 expression in human colorectal cancer DLD-1 cells. Bioorg Med Chem 5(16), 5620-8. [Abstract](#)
- Bauer B (2007) Mangosteen fruit which contains xanthenes. Result of Research: Treatment of many human ailments. Mayo Clinic Book of Alternative Medicine; MD. Time Inc.
- Ee GC, Daud S, Izzaddin SA, et al. (2008) Garcinia mangostana: a source of potential anti-cancer lead compounds against CEM-SS cell line. J Asian Nat Prod Res 10(5-6), 475-9. [Abstract](#)
- Wong LP, Klemmer PJ (2008) Severe Lactic Acidosis Associated With Juice of the Mangosteen Fruit Garcinia mangostana. In: American Journal of Kidney Diseases. Nr. 51(5), 829–833. [Abstract](#).
- (2009) <http://www.liebertonline.com/doi/abs/10.1089/jmf.2008.0204> Effect of a Mangosteen Dietary Supplement on Human Immune Function: A Randomized, Double-Blind, Placebo-Controlled Trial. Journal of medicinal food, 12 (4), 755–763.
- Kaomongkolgit R, Jamdee K, Chaisomboon N (2009) Antifungal activity of alpha-mangostin against Candida albicans. J Oral Sci 51(3), 401-6. [Abstract](#)

Tang YP, Li PG, Kondo M, et al. (2009) Effect of a mangosteen dietary supplement on human immune function: a randomized, double-blind, placebo-controlled trial. *J Med Food* 12(4), 755-63. [Abstract](#)

Ngawhirunpat T, Opanasopi P, Sukma M, et al. (2010) Antioxidant, free radical-scavenging activity and cytotoxicity of different solvent extracts and their phenolic constituents from the fruit hull of mangosteen (*Garcinia mangostana*). *Pharm Biol* 48(1), 55-62. [Abstract](#)

Shan T, Ma Q et al. (2011) Xanthenes from mangosteen extracts as natural chemopreventive agents: potential anticancer drugs. In: *Current molecular medicine*. Band 11, Nummer 8, 666–677, [ISSN 1875-5666](#). [PMID 21902651](#). [PMC 3237908](#).

Temrangsee P, Kondo S, Itharat A (2011) Antibacterial activity of extracts from five medicinal plants and their formula against bacteria that cause chronic wound infection. *J Med Assoc Thai* S166-71. [Abstract](#)

Wang JJ, Sanderson BJ, Zhang W (2011) Cytotoxic effect of xanthenes from pericarp of the tropical fruit mangosteen (*Garcinia mangostana* Linn.) on human melanoma cells. *Food Chem Toxicol* 49(9), 2385-91. [Abstract](#)

Shibata MA, Iinuma M, Morimoto J, et al. (2011) α -Mangostin extracted from the pericarp of the mangosteen (*Garcinia mangostana* Linn) reduces tumor growth and lymph node metastasis in an immunocompetent xenograft model of metastatic mammary cancer carrying a p53 mutation. *BMC Med* 69. [Abstract](#)

Krajarng A, Nakamura Y, Suksamrarn S, et al. (2011) α -Mangostin induces apoptosis in human chondrosarcoma cells through downregulation of ERK/JNK and Akt signaling pathway. *J Agric Food Chem* 59(10), 5746-54. [Abstract](#)

Chang HF, Huang WT, Chen HJ, et al. (2011) Apoptotic effects of γ -mangostin from the fruit hull of *Garcinia mangostana* on human malignant glioma cells. *Molecules* 15(12), 8953-66. [Abstract](#)

Johnson JJ, Petiwala SM, Syed DN, et al. (2012) α -Mangostin, a xanthone from mangosteen fruit, promotes cell cycle arrest in prostate cancer and decreases xenograft tumor growth. *Carcinogenesis* 33(2), 413-9. [Abstract](#)

Unbound MEDLINE results for: *Garcinia mangostana* AND human [Refine this search](#)
50 journal articles in the PubMed database

PRO: Pub Med (2013) Zu Mangosteen 230 wissenschaftliche Studien
[Wissenschaftliche Studien zum gesundheitlichen Nutzen der Mangostanfrucht.](#)

KONTRA: Verbraucherschutzzentrale Berlin zur Geschäftemacherei mit Mangostane
<http://www.vz-berlin.de/UNIQ134502517831798/link501421A.html>

Durian, durian

Burkill, I.H. and Haniff, M. (1930). Malay village medicine, prescriptions collected. *Gardens Bulletin Straits Settlements* (6), 176–177.

Huang, Kee C. (1998). *The Pharmacology of Chinese Herbs* (Second Edition). [CRC Press](#). p. 2. [ISBN 0-8493-1665-0](#).

(2003) [Antibacterial Activity of Polysaccharide Gel from Durian Fruit-hull and its Application in Treatment of Wounds in vivo](#) / *Thai J. Pharm. Sci.* 27 (Suppl.), 7

Hibasami H, Saitoh K, Katsuzaki H, et al. (2004) 2-O-methylisohemigossylic acid lactone, a sesquiterpene, isolated from roots of mokumen (*Gossampinus malabarica*) induces cell death and morphological change indicative of apoptotic chromatin condensation in human promyelotic leukemia HL-60 cells. *Int J Mol Med* 14(6), 1029-33. [Abstract](#)

Toledo F, Arancibia-Avila P, Park YS, et al. (2008) Screening of the antioxidant and nutritional properties, phenolic contents and proteins of five durian cultivars. *Int J Food Sci Nutr* 59(5), 415-27. [Abstract](#)

(2010) Studies on the immunomodulatory effect of polysaccharide gel extracted from *Durio zibethinus* in *Penaeus monodon* shrimp against *Vibrio harveyi* and WSSV / Komsil Pholdaeng and Sunanta Pongsamart / *Fish & Shellfish Immunology*, 28(4) 555-561 doi:10.1016/j.fsi.2009.12.009

Odonne G, Berger F, Stien D, et al. (2011) Treatment of leishmaniasis in the Oyapock basin (French Guiana): A K.A.P. survey and analysis of the evolution of phytotherapy knowledge amongst Wayãpi Indians. *J Ethnopharmacol* 137(3), 1228-39. [Abstract](#)

Cryptolepis, cryptolepis

Boye GL. (1989) Studies on **antimalarial action** of *Cryptolepis sanguinolenta* extract; Proceedings of the International Symposium on East-West Medicine. Seoul, Korea. 243–251

Noamesi BK, Paine A, Kirby GC, Warhurst DC, Phillipson JD. (1991) In vitro **antimalarial activity** of cryptolepine, an indoquinoline. *Trans Roy Soc Trop Med Hyg.* 85, 315

Ofori-Adjei D, Parr SNL (1992) Halofantrine for falciparum **malaria** in Ghana. *J Pharm Med.* 2, 229–40

Kirby GC, Paine A, Warhurst DC, Noamesi BK, Phillipson JD. (1995) In vitro and in vivo **antimalarial activity** of cryptolepine, a plant-derived indoloquinoline. *Phytother Res.* 9, 359–363

Wright CW, Phillipson JD, Awe SO, Kirby GC, Warhurst DC, Quertin-Leclercq J, Angenot L (1996) **Antimalarial activity** of cryptolepine and some other anhydronium bases. *Phytother Res.* 10, 361–63

Grellier P, Ramiamanana L, Milleriox V, Deharo E, Shreel J, Frappier F. (1996) **Antimalarial activity** of cryptolepine and isocryptolepine, alkaloids isolated from *Cryptolepis sanguinolenta*. *Phytother Res.* 10, 317–321

Cimanga K, De Bruyne T, Pieters L, Vlietinck AJ, Turger CA. (1997) In vitro and in vivo **antiplasmodial activity** of cryptolepine and related alkaloids from *Cryptolepis sanguinolenta*. *J Nat Prod.* 60, 688–691. [PubMed]

Ansah Ch, Gooderham NJ (2002) **The Popular Herbal Antimalarial, Extract of *Cryptolepis sanguinolenta*, Is Potently Cytotoxic.** *Toxicological Sciences* 70, 245-251
<http://toxsci.oxfordjournals.org/content/70/2/245.full.pdf>

Addy M. (2003) *Cryptolepis*: An African Traditional Medicine that Provides Hope for **Malaria** Victims. *HerbalGram.* 60, 54–59

Tempesta MS (2010) The Clinical Efficacy of *Cryptolepis Sanguinolenta* in the Treatment of **Malaria**. *Ghana Medical Journal.* 44(1), 1-2 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2956313/>

Stevia

[Theophilus](#) PAS, [Victoria](#) MJ, [Socarras](#) KM et al. (215) **Effectiveness of *Stevia rebaudiana* whole leaf extract against the various morphological forms of *Borrelia burgdorferi* in vitro.** *European Journal of Microbiology and Immunology* Original article DOI: 10.1556/1886.2015.00031
<http://www.akademai.com/doi/pdf/10.1556/1886.2015.00031>

[Fife B.](#) (Author) (2017) **The Stevia Deception: The Hidden Dangers of Low-Calorie Sweeteners** **Paperback** https://www.amazon.com/Stevia-Deception-Dangers-Low-Calorie-Sweeteners/dp/1936709112/ref=sr_1_15?ie=UTF8&qid=1492352493&sr=8-15&keywords=bruce+fife#reader_B01MY516Q8

Karde, teasel

Liebold T, Straubinger R, Rauwald H (2011) **Growth inhibiting activity of lipophilic extracts from dipsacus sylvestris huds. Roots against Borrelia burgdorferi S.S. in vitro.** Pharmazie 66, 628–630 <http://www.ncbi.nlm.nih.gov/pubmed/21901989>

Houttuynia cordata Thunb

Chang JS, Chiang LC, Chen CC et al. (2001) **Antileukemic activity of Bidens pilosa L. var. minor (Blume) Sherff and Houttuynia cordata Thunb.** Am J Chin Med. 29, 303–312. [\[PubMed\]](#)

Chiang LC, Chang JS, Chen CC, Ng LT, Lin CC. (2003) **Anti-herpes simplex virus activity of Bidens pilosa and Houttuynia cordata.** Am J Chin Med. 31, 355–362. [\[PubMed\]](#)

Chen YY, Liu JF, Chen CM, Chao PY, Chang TJ. (2003) **A study of the antioxidative and antimutagenic effects of Houttuynia cordata Thunb. using an oxidized frying oil-fed model.** J Nutr Sci Vitaminol (Tokyo) 49, 327–333. [\[PubMed\]](#)

Li GZ, Chai OH, Lee MSet al. (2005) **Inhibitory effects of Houttuynia cordata water extracts on anaphylactic reaction and mast cell activation.** Biol Pharm Bull. 28, 1864–1868. [\[PubMed\]](#)

Lu HM, Liang YZ, Yi LZ, Wu XJ (2006) **Anti-inflammatory effect of Houttuynia cordata injection.** J Ethnopharmacol. 104, 245–249. [\[PubMed\]](#)

Kim IS, Kim JH, Kim JS, Yun CY, Kim DH, Lee JS (2007) **The inhibitory effect of Houttuynia cordata extract on stem cell factor-induced HMC-1 cell migration.** J Ethnopharmacol. 112, 90–95. [\[PubMed\]](#)

Lee JS, Kim IS, Kim JH, Kim JS, Kim DH, Yun CY. (2008) **Suppressive effects of Houttuynia cordata Thunb (Saururaceae) extract on Th2 immune response.** J Ethnopharmacol. 117, 34–40. [\[PubMed\]](#)

Tang YJ, Yang JS, Lin CF, Shyu WC, Tsuzuki M, Lu CC, Chen YF, Lai KC. (2009) **Houttuynia cordata Thunb extract induces apoptosis through mitochondrial-dependent pathway in HT-29 human colon adenocarcinoma cells.** Oncol Rep. 22, 1051–1056. [\[PubMed\]](#)

Tzou-Yien Lin et al. (2009) **Anti-Enterovirus 71 Activity Screening of Chinese Herbs with Anti-Infection and Inflammation Activities.** American Journal of Chinese Medicine. 37, 143–158, [PMID 19222118](#)

[HEE JOE LEE](#), [HYE-SOOK SEO](#), [GYUNG-JUN KIM](#) et al. (2013) **Houttuynia cordata Thunb inhibits the production of pro-inflammatory cytokines through inhibition of the NFκB signaling pathway in HMC-1 human mast cells.** [Mol Med Rep](#). 8(3), 731–736. Published online 2013 Jul 11. doi: [10.3892/mmr.2013.1585](https://doi.org/10.3892/mmr.2013.1585) PMID: PMC3782532 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3782532/>

« **Results of the present study suggest that HCT inhibits the production of pro-inflammatory cytokines via inhibition of the NF-κB signaling pathway in HMC-1 human mast cells. We hypothesized that HCT may be a potential therapeutic target for the treatment of allergies and inflammatory diseases.** »

➔ NutraMedix (2017) **Houttuynia microbial defense**
<http://www.nutramedix.ec/ns/houttuynia>

- ➔ **Pfeffer, Chilli, Gelbwurz, pepper, chilli, curcuma**
<http://www.kabilahsystems.de/pfefferchilligelbwurz.pdf>
- ➔ **Samento, Banderol** http://www.kabilahsystems.de/samento_banderol.pdf
- ➔ **Pau Perreia, Rosmarin, Lychnophora ericoides (Arnica da serra)**
<http://www.kabilahsystems.de/paupereia.pdf>
- ➔ **Einjähriger Beifuss, Artemisia annua** <http://www.kabilahsystems.de/artemisinin.pdf>
- ➔ **Grapefruit Kernextrakt, Grapefruit seed extract** http://www.xerlebnishaft.de/grape_kern.pdf
- ➔ **Entgiftung, detoxification, H2, V-ATPase, PH** <http://www.kabilahsystems.de/entgiftung.pdf>
<http://www.kabilahsystems.de/ph.pdf>
- ➔ **Lock- und Fraß-Abwehr Stoffe speziell bei Pflanzen, Locking and feeding agents especially for plants** <http://www.xerlebnishaft.de/kraeutertherapie.pdf>
- ➔ **Phytotherapie, phytotherapy** <http://www.xerlebnishaft.de/phytotherapie.pdf>

- ➔ **Huismans BD (2011) Kräutertherapie, herbal therapy**
<http://www.xerlebnishaft.de/kraeutertherapie.pdf>

[Bernt - Dieter Huismans](#). Letzte Revision Mai 2017 www.Huismans.click 
Back to top: <http://www.kabilahsystems.de/pflanzlicheantimikrobiotika.pdf>