

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

- ➔ Garvey MI, Rahman MM, Gibbons S, Pidcock 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>
- ➔ Feng J, Wang T, Shi W, Zhang S, Sullivan D, Auwaerter PG, Zhang Y (2014) Identification of novel activity against *Borrelia burgdorferi* persists using an FDA approved drug library. Emerg. Microbes Infect. 3, e49. [[Google Scholar](#)] [[CrossRef](#)] [[PubMed](#)]
- ➔ [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”.**
- ➔ [Bouyahya A](#), [Dakka N](#), [Et-Touys A](#), [Abrini J](#), [Bakri J](#) (2017) **Medicinal plant products targeting quorum sensing for combating bacterial infections**. *Asian Pacific Journal of Tropical Medicine* 10(8), 729-743 <https://doi.org/10.1016/j.apjtm.2017.07.021>
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- ➔ [Feng J](#), [Shi W](#), [Miklossy J](#) et al. (2018) **Identification of Essential Oils with Strong Activity against Stationary Phase *Borrelia burgdorferi***. *Antibiotics* 7(4), 89; doi:10.3390/antibiotics7040089 <https://www.mdpi.com/2079-6382/7/4/89/htm>
„Garlic, allspice, myrrh, hydacheim, and Litsea cubeba. Among them, garlic oil could completely eradicate stationary phase *B. burgdorferi* with no regrowth at 0.05%, and the others could reach the same activity at 0.1%. Additionally, cinnamaldehyde is identified to be an active ingredient of cinnamon bark oil with very strong activity against *B. burgdorferi* stationary phase cells.“

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>
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- ➔ 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*
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Kapuzinerkresse, Meerrettich, Senföle, Thioester, Organosulfur, Thymian, Weihrauch, Myrrhe, Mangostane, Durian, Cryptolepsis, Stevia, Carde, Houttuynia cordata Thunb, Melisse Nasturtium, horseradish, mustard oils, thioester, Organosulfur, thyme, frankincense, myrrh, mangosteen, durian, Cryptolepsis, Stevia, Carde, Houttuynia cordata Thunb, Lemon balm

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

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

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Thymian, thyme / Eugenol, clove oil / oregano vulgare / Zimt, cinnamon

Yousef RT, Tawil GG (1980) **Antimicrobial activity of volatile oils**. Pharmazie. 35, S. 698–701 **Zimt, cinnamon** , [PMID 7465614](#)

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« **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.** »

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