



## Terpene References

### General:

- What is synergy? <http://pharmrev.aspetjournals.org/content/41/2/93.long>
- Synergism, antagonism, or additivity of dietary supplements: Application of theory to case studies. <https://www.ncbi.nlm.nih.gov/pubmed/16023178>
- Complex interactions between phytochemicals. The multi-target therapeutic concept of phytotherapy. <https://www.ncbi.nlm.nih.gov/pubmed/20735354>
- Botanical drugs, synergy, and network pharmacology: forth and back to intelligent mixtures. <https://www.ncbi.nlm.nih.gov/pubmed/21412698>
- Synergy in natural medicines: implications for drug discovery. <https://www.ncbi.nlm.nih.gov/pubmed/18502520>
- Synergy assessment of fixed combinations of Herba Andrographidis and Radix Eleutherococci extracts by transcriptome-wide microarray profiling. <https://www.ncbi.nlm.nih.gov/pubmed/26407940>
- Drug synergism: its detection and applications. <https://www.ncbi.nlm.nih.gov/pubmed/11504778>
- Testing for synergism over a range of fixed ratio drug combinations: replacing the isobologram. <https://www.ncbi.nlm.nih.gov/pubmed/8606615>
- New perspectives for synergy research with the "omic"-technologies. <https://www.ncbi.nlm.nih.gov/pubmed/?term=New+perspectives+for+synergy+research+with+the+%22omic%22+technologies>
- Synergy research: Approaching a new generation of phytopharmaceuticals. <https://www.ncbi.nlm.nih.gov/pubmed/19211237>
- Synergy effects of herb extracts: Pharmacokinetics and pharmacodynamic basis. <https://www.ncbi.nlm.nih.gov/pubmed/24177191>
- Boik, J. *Natural Compounds In Cancer Therapy*, Princeton MN, Oregon Medical Press: 2001.
- Brinker, F. *Complex Herbs-Complete Medicines*, Sandy, OR, Eclectic Medical Publications: 2004.

### Cannabis + Terpenes:

- Variations in Terpene Profiles of different strains of Cannabis sativa L. <http://www.fundacion-canna.es/en/variaciones-terpene-profiles-different-strains-cannabis-sativa-l>
- Cannabinoids and Terpenes as Chemotaxonomic Markers in Cannabis. <http://www.esciencecentral.org/journals/cannabinoids-and-terpenes-as-chemotaxonomic-markers-in-cannabis-2329-6836-1000181.php?aid=57624>
- The function of terpene natural products in the natural world. <https://www.ncbi.nlm.nih.gov/pubmed/17576428>
- Beta-caryophyllene is a dietary cannabinoid. <https://www.ncbi.nlm.nih.gov/pubmed/18574142>
- Cannabis and cannabis extracts: greater than the sum of their parts? <http://cannabis-med.org/index.php?tpl=journal&id=228&lng=en&fid=:&red=journallist>
- Taming THC: potential cannabis synergy and phytocannabinoid-terpenoid entourage effects. <https://www.ncbi.nlm.nih.gov/pubmed/21749363>



#### Sesquiterpenes/Caryophyllene:

- The cannabinoid receptor 2 agonist,  $\beta$ -Caryophyllene, reduced voluntary alcohol intake and attenuated ethanol-induced place preference and sensitivity in mice.  
<https://www.ncbi.nlm.nih.gov/pubmed/24999220>
- $\beta$ -Caryophyllene, a CB2 receptor agonist produces multiple behavioral changes relevant to anxiety and depression in mice. <https://www.ncbi.nlm.nih.gov/pubmed/24930711>
- Functionalization of  $\beta$ -Caryophyllene Generates Novel Polypharmacology in the Endocannabinoid System. <https://www.ncbi.nlm.nih.gov/pubmed/24831513>
- $\beta$ -caryophyllene and  $\beta$ -caryophyllene oxide-natural compounds of anticancer and analgesic properties. <https://www.ncbi.nlm.nih.gov/pubmed/27696789>
- Cancer chemoprevention and therapy by monoterpenes.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1470060/>
- Trans-Caryophyllene Suppresses Hypoxia-Induced Neuroinflammatory Responses by Inhibiting NF- $\kappa$ B Activation in Microglia. <https://www.ncbi.nlm.nih.gov/pubmed/24488604>
- $\beta$ -Caryophyllene ameliorates cisplatin-induced nephrotoxicity in a cannabinoid 2 receptor-dependent manner. <https://www.ncbi.nlm.nih.gov/pubmed/22326488>
- Involvement of peripheral cannabinoid and opioid receptors in  $\beta$ -caryophyllene-induced antinociception. <https://www.ncbi.nlm.nih.gov/pubmed/23138934>
- The cannabinoid CB2 receptor-selective phytocannabinoid beta-caryophyllene exerts analgesic effects in mouse models of inflammatory and neuropathic pain.  
<https://www.ncbi.nlm.nih.gov/pubmed/24210682>
- $\beta$ -Caryophyllene oxide inhibits growth and induces apoptosis through the suppression of PI3K/AKT/mTOR/S6K1 pathways and ROS-mediated MAPKs activation.  
<https://www.ncbi.nlm.nih.gov/pubmed/21924548>