

CLAIMS

What is claimed is:

1. A composition comprising a cannabinoid and lycopene.
2. The composition of claim 1, wherein the molar ratio (m:m) of said lycopene to said cannabinoid is from 50:1 (m:m) to 1:10 (m:m).
3. The composition of claim 1 or 2, wherein said cannabinoid is selected from the group consisting of: tetrahydrocannabinol (THC), iso-tetrahydrocannabinol- type (iso-THC), tetrahydrocannabinolic acid (THCA), cannabidiol (CBD), cannabidiolic acid (CBDA), cannabinol (CBN), cannabinolic acid (CBNA), cannabinol methyl ether (CBNM), cannabinol-C4 (CBN-C4), cannabinol-CZ (CBN-C2), cannabiorcol (CBN-C1), cannabinodiol (CBND), cannabigerol (CBG), cannabigerolic acid (CBGA), cannabigerolic acid monomethyl ether (CBGAM), cannabigerol monomethyl ether (CBGM), cannabigerovarinic acid (CBGVA), cannabichromene (CBC), cannabichromanon (CBCN), cannabichromenic acid (CBCA), cannabichromevarin (CBCV), cannabichromevarinic acid (CBCVA), tetrahydrocannabivarin (THCV), cannabidivarin (CBDV), cannabielsoin (CBE), cannabielsoic acid A (CBEA-A), cannabielsoic acid B (CBEA-B), cannabigerovarin (CBGV), cannabidiolic acid (CBDA), cannabidiol monomethyl ether (CBDM), cannabidiol-C4 (CBD-C4), cannabidivarinic acid (CBDVA), and cannabidiorcol (CBD-C1), cannabicyclol (CBL), cannabicyclolic acid (CBLA), cannabicyclovarin (CBLV), cannabitol, cannabitolvarin (CBTV), ethoxy-cannabitolvarin (CBTVE), cannabivarin (CBV), cannabidivarin (CBVD), cannabitolvarin (CBTV), ethoxy-cannabitolvarin (CBTVE), cannabifuran (CBF), dehydrocannabifuran (DCBF), and cannabiripsol (CBR), or any combination thereof.
4. The composition of any one of claims 1 to 3, wherein said cannabinoid is selected from the group consisting of: CBD, (-)-7-hydroxy-CBD, (-)-CBD-7-oic acid, dimethylheptyl homologue of (-)-7-hydroxy-CBD, dimethylheptyl homologue of (-)-CBD-7-oic acid, or any combination thereof.

5. The composition of any one of claims 1 to 4, wherein said cannabinoid is CBD or CBDA.
6. The composition of claim 5, comprising said lycopene and said CBD in a m:m ratio ranging from 30:1 (m:m) to 10:1 (m:m).
7. The composition of claim 5, comprising said lycopene and said CBDA in a m:m ratio ranging from 1:5 (m:m) to 1:1 (m:m).
8. The composition of any one of claims 1 to 7, further comprising: phytoene, phytofluene, beta carotene, tocopherol, a phytosterol, astaxanthin, lutein, a terpene, a polyphenol, or any combination thereof.
9. The composition of any one of claims 1 to 8, further comprising: phytoene, phytofluene, or any combination thereof.
10. The composition of any one of claims 1 to 9, wherein said composition is an oral composition.
11. The composition of any one of claims 1 to 10, wherein said cannabinoid is present as a highly purified extract of Cannabis.
12. The composition of any one of claims 1 to 11, wherein said cannabinoid is a synthetically produced cannabinoid.
13. A pharmaceutical composition, comprising the composition of any one of claims 1 to 12 and a pharmaceutically acceptable carrier.
14. The pharmaceutical composition of claim 13, for use in treatment of inflammation in a subject in need thereof.
15. A method for treating a subject afflicted with inflammation, comprising administering to said subject a therapeutically effective amount of the composition of any one of claims 1 to 12.

16. The method of claim 15, wherein said treating comprises reducing or inhibiting production of nitric oxide in said subject.

17. A kit comprising: (a) lycopene; (b) a cannabinoid; and (c) mixing instructions for said lycopene and said cannabinoid.

18. The kit of claim 17, comprising instructions for administering said lycopene and said cannabinoid in a m:m ratio ranging from 50:1 (m:m) to 1:10 (m:m).

19. The kit of claim 17 or 18, wherein said cannabinoid is present as a highly purified extract of Cannabis.

20. The kit of claim 17 or 18, wherein said cannabinoid is a synthetically produced cannabinoid.

21. The kit of any one of claims 17 to 20, wherein said cannabinoid comprises CBD.

22. The kit of any one of claims 17 to 20, wherein said cannabinoid comprises CBDA.

23. The kit of any one of claims 17 to 22, for use in treatment of inflammation in a subject in need thereof.