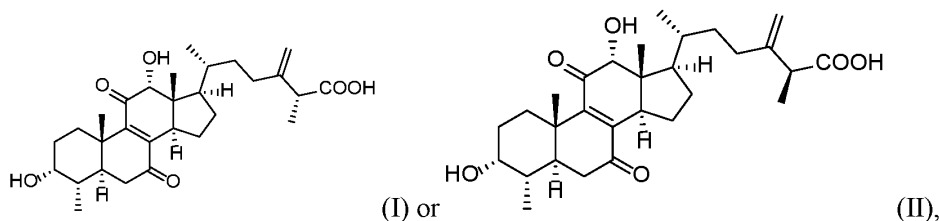


CLAIMS

What is claimed is:

1. A method of treating at least one disease or disorder in a subject in need thereof, the method comprising:
administering to the subject a therapeutically effective amount of an extract comprising at least one selective Farnesoid X receptor (FXR) agonist obtained from *Antrodia cinnamomea* (*Antrodia camphorate*), and
enhancing or inducing FXR mediated transcriptional response in the subject.
2. The method of claim 1, wherein the at least one FXR agonist is a triterpenoid compound.

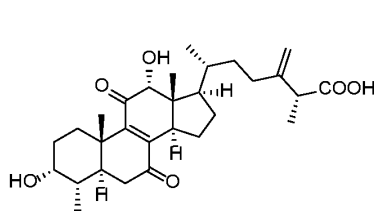
3. The method of claim 2, wherein the triterpenoid compound is:



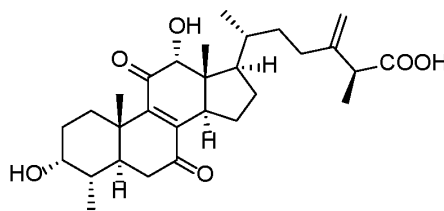
or salts, solvates, isomers, tautomers, or prodrugs thereof.

4. The method of claim 1, wherein the at least one disease or disorder is related to one selected from intestine, liver, kidney, and adrenal gland.
5. The method of claim 1, wherein the at least one disease or disorder is selected from a liver disease, obesity, diabetes, diarrhea, abdominal pain, hypertension, itchy skin, liver cancer, hepatitis, biliary cholangitis, nonalcoholic steatohepatitis, primary sclerosing cholangitis, inflammation, and fibrosis.
6. The method of claim 1, wherein the administering induces about 60% to about 85% of FXR activity in the absence of chenodeoxycholic acid (CDCA).
7. The method of claim 1, wherein the administering stimulates FXR activity by about 15% to about 30% in the presence of CDCA.

8. The method of claim 1, wherein the administering has no impact or insignificant impact on any other hormone receptor signaling pathway in the subject.
9. The method of claim 1, wherein the administering has no impact or insignificant impact on liver X receptor (LXR) mediated transcriptional response.
10. The method of claim 1, wherein the concentration of the triterpenoid is about 10 μM to 85 μM .
11. The method of claim 1, wherein the subject is a mammal.
12. The method of claim 11, wherein the subject is human.
13. A method of treating an intestinal, liver, kidney, or adrenal gland disease or disorder in a subject in need thereof, the method comprising:
administering to the subject a therapeutically effective amount of a composition comprising at least one FXR agonist selected from the group consisting of



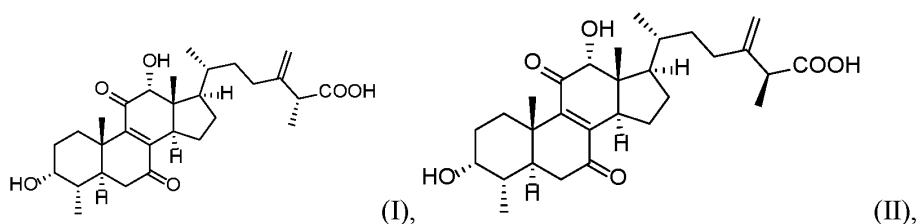
(I),



(II), and

pharmaceutically acceptable salts, solvates, tautomers, or prodrugs thereof.

14. The method of any one of claims 1 to 13, wherein the administering is by a route selected from the group consisting of intravenous, subcutaneous, oral, aerosol, parenteral, ophthalmic, pulmonary, and topical administration.
15. A pharmaceutical composition comprising at least one FXR agonist selected from the group consisting of



and pharmaceutically acceptable salts, solvates, tautomers, or prodrugs thereof; and
at least one pharmaceutically acceptable excipient,

wherein the composition comprises about 0.0001% to about 1% w/w of at least one
triterpenoid compound from *Antrodia cinnamomea* that is not (I) or (II).

16. The pharmaceutical composition of claim 15, wherein the composition
comprises a core comprising the at least one FXR agonist coated by the at least one
pharmaceutically acceptable excipient or a matrix comprising the at least one FXR agonist
interspersed with the at least one pharmaceutically acceptable excipient.

17. A method of treating at least one disease or disorder in a subject in need
thereof, the method comprising administering to the subject a therapeutically effective
amount of the composition of claim 15.

18. The method of claim 17, wherein the disease or disorder is selected from a
liver disease, obesity, diabetes, diarrhea, abdominal pain, hypertension, itchy skin, liver
cancer, hepatitis, biliary cholangitis, nonalcoholic steatohepatitis, primary sclerosing
cholangitis, inflammation, and fibrosis