CLAIMS

Claim 1. A composition comprising:

at least one sesamin-class compound and pyrroloquinoline quinone (PQQ) or a salt thereof,

wherein a weight ratio of the PQQ or a salt thereof to the sesamin-class compound (PQQ or a salt thereof/sesamin-class compound) in PQQ equivalent is 0.1 to 10.

Claim 2. The composition according to claim 1,

wherein the at least one sesamin-class compound comprises at least one of sesamin or episesamin.

Claim 3. The composition according to claim 1 or 2,

wherein the weight ratio of the PQQ or a salt thereof to the sesamin-class compound (PQQ or a salt thereof/sesamin-class compound) in PQQ equivalent is 0.2 to 5.

Claim 4. The composition according to any one of claims 1 to 3,

wherein the composition improves or maintains mitochondrial function or reduces a decline in mitochondrial function.

Claim 5. The composition according to any one of claims 1 to 4,

wherein the composition improves or maintains mitochondrial energy production capacity or reduces a decline in mitochondrial energy production capacity.

Claim 6. The composition according to any one of claims 1 to 5,

wherein the composition is for use in improving or maintaining vitality or reducing a decline in vitality.

Claim 7. The composition according to any one of claims 1 to 6,

wherein the composition is an anti-fatigue composition.

Claim 8. The composition according to any one of claims 1 to 7,

wherein the composition is an oral composition.

Claim 9. The composition according to any one of claims 1 to 8,

wherein the composition is a food or beverage.

Claim 10. The composition according to any one of claims 1 to 9,

wherein the composition is labeled with at least one function claim selected from the group consisting of "alleviating feelings of fatigue", "being less susceptible to fatigue", "maintaining vitality", "improving vitality", "facilitating energy production", and "being full of energy".

Claim 11. A non-therapeutic method of improving or maintaining at least one of mitochondrial function or mitochondrial energy production capacity or reducing a decline in at least one of mitochondrial function or mitochondrial energy production capacity, the method comprising:

administering at least one sesamin-class compound and pyrroloquinoline quinone (PQQ) or a salt thereof such that a weight ratio of the PQQ or a salt thereof to the sesamin-class compound (PQQ or a salt thereof/sesamin-class compound) in PQQ equivalent is 0.1 to 10.

Claim 12. A non-therapeutic method of reducing, alleviating, or ameliorating fatigue, the method

comprising:

administering at least one sesamin-class compound and pyrroloquinoline quinone (PQQ) or a salt thereof such that a weight ratio of the PQQ or a salt thereof to the sesamin-class compound (PQQ or a salt thereof/sesamin-class compound) in PQQ equivalent is 0.1 to 10.

Claim 13. Non-therapeutic use of at least one sesamin-class compound and pyrroloquinoline quinone (PQQ) or a salt thereof for improving or maintaining at least one of mitochondrial function or mitochondrial energy production capacity or reducing a decline in at least one of mitochondrial function or mitochondrial energy production capacity,

wherein a weight ratio of the PQQ or a salt thereof to the sesamin-class compound (PQQ or a salt thereof/sesamin-class compound) in PQQ equivalent is 0.1 to 10.

Claim 14. Non-therapeutic use of at least one sesamin-class compound and pyrroloquinoline quinone (PQQ) or a salt thereof for anti-fatigue,

wherein a weight ratio of the PQQ or a salt thereof to the sesamin-class compound (PQQ or a salt thereof/sesamin-class compound) in PQQ equivalent is 0.1 to 10.