Claims

1. Use of an agent comprising (A) cystine or a derivative thereof and (B) theanine in combination in the manufacture of a medicament for improving the treatment completion rate of cancer chemotherapy, wherein said medicament is to be administered to a subject in need thereof.

2. The use according to claim 1, wherein said agent comprises: a composition comprising (A) cystine or a derivative thereof and (B) theanine.

3. The use according to claim 1 or 2, wherein said agent comprises: a first composition comprising(A) cystine or a derivative thereof; and a second composition comprising(B) theanine.

4. The use according to any one of claims 1 to 3, wherein said agent consists of (A) cystine or a derivative thereof and (B) theanine and at least one selected from the group consisting of binder, excipient, swelling agent, lubricant, flowability improver, gloss agent, sweetener, flavor, preservative, coating agent, carrier and stabilizer.

5. The use according to any one of claims 1 to 3, wherein said agent consists of (A) cystine or a derivative thereof and (B) theanine.

6. The use according to any one of claim 1 to 5, wherein the weight ratio of (A) cystine or a derivative thereof and (B) theanine is A:B=100:1 - 1:100.

7. The use according to any one of claims 1 to 6, wherein the weight ratio of (A) cystine or a derivative thereof and (B) theanine is A:B=20:1 - 1:2.

8. A prophylactic and/or therapeutic drug for use in treating cancer, comprising an agent for reducing a side effect of cancer chemotherapy and an anticancer agent in combination, wherein the agent for reducing a side effect of cancer chemotherapy comprises (A) cystine or a derivative thereof and (B) theanine in combination.

9. The prophylactic and/or therapeutic drug for use in treating cancer according to claim 8, wherein said agent for reducing a side effect of cancer chemotherapy comprises: a composition comprising (A) cystine or a derivative thereof and (B) theanine.

10. The prophylactic and/or therapeutic drug for use in treating cancer according to claim 8 or 9, wherein said agent for reducing a side effect of cancer chemotherapy comprises: a first composition comprising(A) cystine or a derivative thereof; and a second composition comprising(B) theanine.

11. The prophylactic and/or therapeutic drug for use in treating cancer according to any one of claims 8 to 10, wherein said agent for reducing a side effect of cancer chemotherapy consists of (A) cystine or a derivative thereof and (B) theanine and at least one selected from the group consisting of binder, excipient, swelling agent, lubricant, flowability improver, gloss agent, sweetener, flavor, preservative, coating agent, carrier and stabilizer.

12. The prophylactic and/or therapeutic drug for use in treating cancer according to any one of claims 8 to 10, wherein said agent for reducing a side effect of cancer chemotherapy consists of (A) cystine or a derivative thereof and (B) theanine.

13. The prophylactic and/or therapeutic drug for use in treating cancer according to any one of claims 8 to 12, wherein the weight ratio of (A) cystine or a derivative thereof and (B) theanine is A:B=100:1 - 1:100.

14. The prophylactic and/or therapeutic drug for use in treating cancer according to any one of claims 8 to 13, wherein the weight ratio of (A) cystine or a derivative thereof and (B) theanine is A:B=20:1 - 1:2.

15. Use of the prophylactic and/or therapeutic drug according to any one of claims 8 to 14 in the manufacture of a medicament for preventing and/or treating cancer, wherein said medicament is to be administered to a subject in need thereof.

16. Use of a combination of (A) cystine or a derivative thereof and (B) theanine in the manufacture of a medicament for use in reducing a side effect of cancer chemotherapy.

17. Use of a combination of (A) cystine or a derivative thereof and (B) theanine in the manufacture of a medicament for use in improving the treatment completion rate of cancer chemotherapy.

18. A combination of (A) cystine or a derivative thereof and (B) theanine and an anticancer agent for use in preventing and/or treating cancer.

19. The use according to any one of claims 1 to 7 and 15 to 17, or the prophylactic and/or therapeutic drug for cancer according to any one of claims 8 to 14 or the combination of claim 18, wherein the cystine derivative comprises cysteine and cysteine derivative.

20. The use according to any one of claims 1 to 7, 15 to 17 and 19, or the prophylactic and/or therapeutic drug for cancer according to any one of claims 8 to 14 and 19, or the combination of claim 18 or 19, wherein the cystine derivative is selected from the group consisting of glutathione, glutathione disulfide, glutathione alkyl ester, oxidized glutathione dialkyl ester, cysteine, cysteine alkyl ester, 3-[(carboxymethyl)thio]alanine, N-acylcysteine, N-acylcysteine alkyl ester, N-acylcystine, N-acylcystine alkyl ester, N,N'-diacylcystine, N,N'-diacylcystine

dialkyl ester and S-alkylcysteine sulfoxide.

21. The use according to any one of claims 1 to 7, 15 to 17 and 19 to 20, or the prophylactic and/or therapeutic drug for cancer according to any one of claims 7 to 14 and 19 to 20, or the combination of any one of claims 18 to 20, wherein (A) is cystine.

22. The use according to any one of claims 1 to 7, 15 to 17 and 19 to 21, or the prophylactic and/or therapeutic drug for cancer according to any one of claims 7 to 14 and 19 to 21, or the combination of any one of claims 18 to 21, wherein (A) is L-cystine.

23. The use according to any one of claims 1 to 7, 15 to 17 and 19 to 22, or the prophylactic and/or therapeutic drug for cancer according to any one of claims 8 to 14 and 19 to 22, or the combination of any one of claims 18 to 22, wherein (B) is L-theanine.

24. The use according to any one of claims 1 to 7, 15 to 16 and 19 to 23, or the prophylactic and/or therapeutic drug for cancer according to any one of claims 8 to 14 and 19 to 23, wherein the side effect of cancer chemotherapy comprises a side effect that can lead to the suspension of cancer chemotherapy.

25. The use, the prophylactic and/or therapeutic drug for cancer of claim 24, wherein the side effect that can lead to the suspension of cancer chemotherapy is selected from the group consisting of anorexia, nausea, vomiting, diarrhea, stomatitis, malaise and granulocytopenia.

Abstract

The present invention can provide an agent for reducing side effects of cancer chemotherapy, which can reduce various side effects of cancer chemotherapy and improve the treatment completion rate of cancer chemotherapy.

An agent for reducing side effects of cancer chemotherapy, containing (A) cystine or a derivative thereof and (B) theanine in combination.