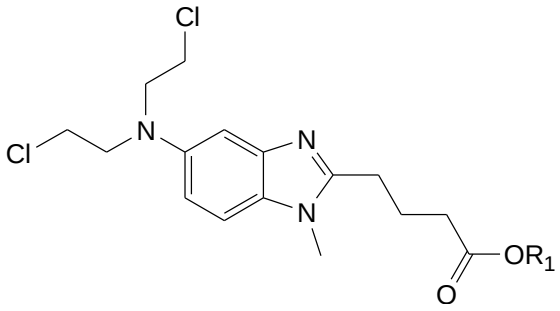
What is Claimed:

1. A compound of formula I:



I

wherein R_1 is C_8-C_{24}alkyl or polyethylene glycol.

2. The compound of claim 1, wherein R_1 is C_{10}-C_{24}alkyl.

3. The compound of claim 1, wherein R_1 is C_{12}-C_{24}alkyl.

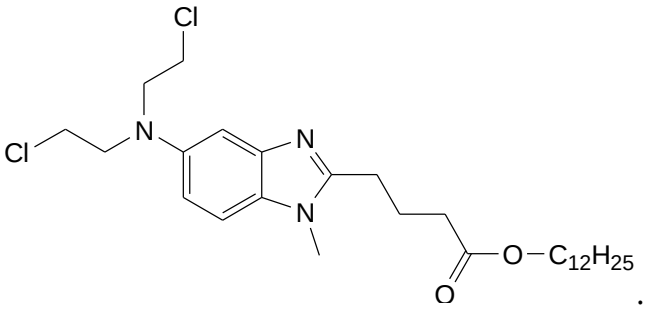
4. The compound of claim 1, wherein R_1 is C_{14}-C_{24}alkyl.

5. The compound of claim 1, wherein R_1 is C_{16}-C_{24}alkyl.

6. The compound of claim 1, wherein R_1 is C_{18}-C_{24}alkyl.

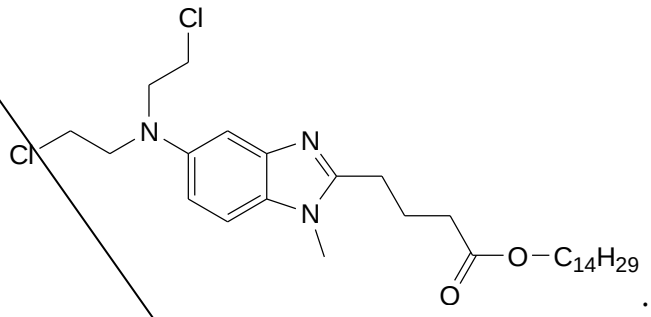
7. The compound of claim 1, wherein R_1 is C_{10}alkyl.

8. The compound of claim 1, wherein the compound of formula I is



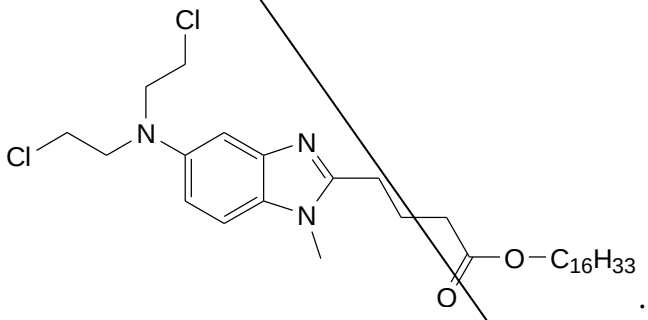
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9. The compound of claim 1, wherein the compound of formula I is



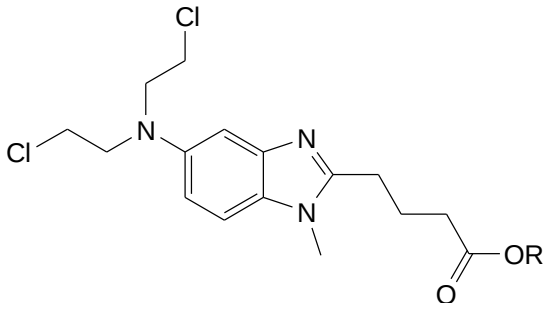
.

10. The compound of claim 1, wherein the compound of formula I is



.

11. A pharmaceutical composition comprising a compound according to formula IA:



IA

wherein R is C_8-C_{24}alkyl or polyethylene glycol; and

a pharmaceutically acceptable carrier or diluent.

12. The pharmaceutical composition of claim 11, wherein R is C_{10}-C_{24}alkyl

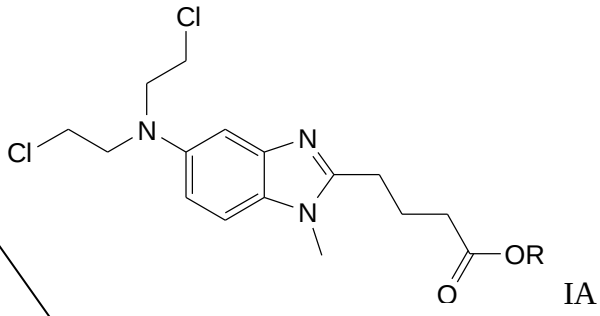
13. The pharmaceutical composition of claim 11, wherein R is C_{10}alkyl.

14. The pharmaceutical composition of claim 11, wherein R is C_{12}alkyl.

15. The pharmaceutical composition of claim 11, wherein R is C_{14}alkyl.

16. The pharmaceutical composition of claim 11, wherein R is C_{16}alkyl.

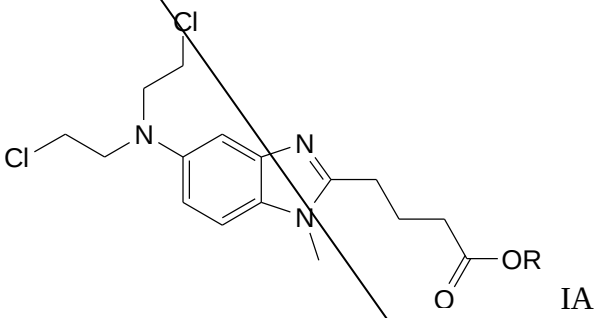
17. Nanoparticles comprising a compound according to formula IA:



IA

wherein R is C_8-C_{24}alkyl or polyethylene glycol.

18. Use of according to formula IA:



IA

wherein R is C_8-C_{24}alkyl or polyethylene glycol.

19. The use of claim 18, wherein the cancer is chronic lymphocytic leukemia, Hodgkin's disease, indolent non-Hodgkin's lymphoma, aggressive non-Hodgkin's lymphoma, multiple myeloma, acute lymphocytic leukemia, breast cancer or lung cancer.

20. The use of claim 18, wherein the cancer is selected from sarcoma, bladder cancer, cervical cancer, testicular cancer, melanoma, glioblastoma, colon cancer, head and neck cancer, ovarian cancer, and prostate cancer.

21. The use of any one of claims 18 to 20, wherein the patient is resistant to one or more chemotherapeutic agents.

22. The use of claim 21, wherein the one or more chemotherapeutic agents is an alkylating agent.

23. Nanoparticles comprising a compound according to any one of claims 1 to 10.

24. The nanoparticles of claim 23, further comprising human serum albumin.

25. The nanoparticles of claims 23 or 24, further comprising poly-lactic glycolic acid.

26. The nanoparticles of claims 23 or 24, further comprising a polyethylene glycol.

27. The nanoparticles of claims 23 or 24, further comprising a poly-lactic glycolic Acid (PLGA) and polyoxyethylene lactic acid copolymer.

28. The nanoparticles of claim 24, wherein the human serum albumin is cross-linked with a dialdehyde.

29. The nanoparticles of claim 28, wherein the dialdehyde is glutaraldehyde.

30. A lyophilized composition comprising nanoparticles according to any one of claims 23 to 29.

31. The lyophilized composition of claim 30, further comprising one or more of mannitol, trehalose, sucrose, or NaCl.

32. Use of the nanoparticles according to any one of claims 23 to 29 in the preparation of a medicament for treating cancer.

33. The use of claim 32, wherein the cancer is chronic lymphocytic leukemia, Hodgkin's disease, indolent non-Hodgkin's lymphoma, aggressive non-Hodgkin's lymphoma, multiple myeloma, acute lymphocytic leukemia, breast cancer or lung cancer.

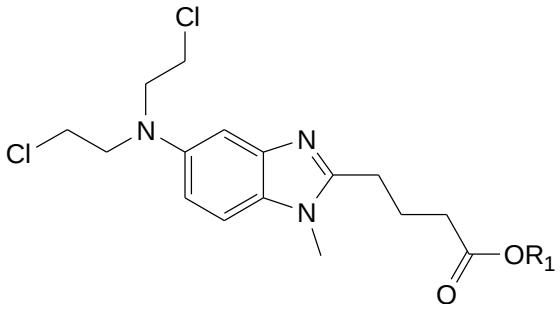
34. The use of claim 32, wherein the cancer is selected from sarcoma, bladder cancer, cervical cancer, testicular cancer, melanoma, glioblastoma, colon cancer, head and neck cancer, ovarian cancer, and prostate cancer.

35. The use of any one of claims 32 to 34, wherein the patient is resistant to one or more chemotherapeutic agents.

36. The use of claim 35, wherein the one or more chemotherapeutic agents is an alkylating agent.

What is Claimed:

1. A compound of formula I:



I

wherein R_1 is C_8-C_{24}alkyl or polyethylene glycol.

2. The compound of claim 1, wherein R_1 is C_{10}-C_{24}alkyl.

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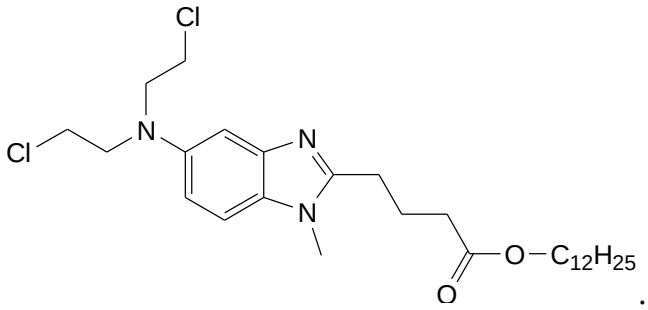
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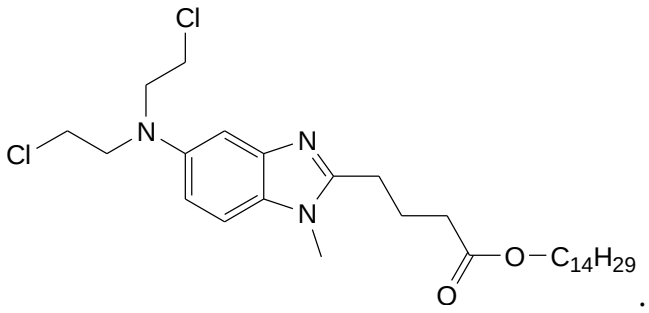
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8. The compound of claim 1, wherein the compound of formula I is



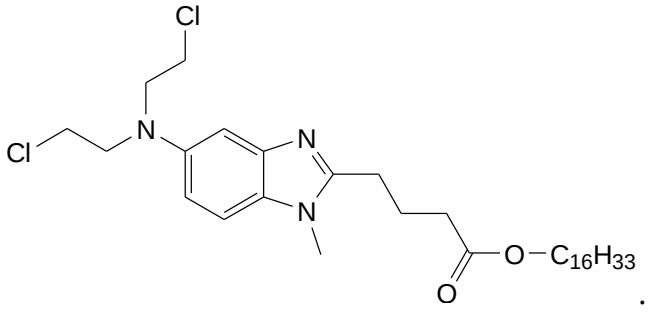
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9. The compound of claim 1, wherein the compound of formula I is



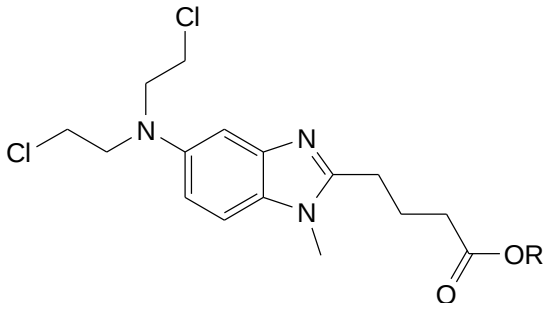
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10. The compound of claim 1, wherein the compound of formula I is



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11. A pharmaceutical composition comprising a compound according to formula I:



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a pharmaceutically acceptable carrier or diluent.

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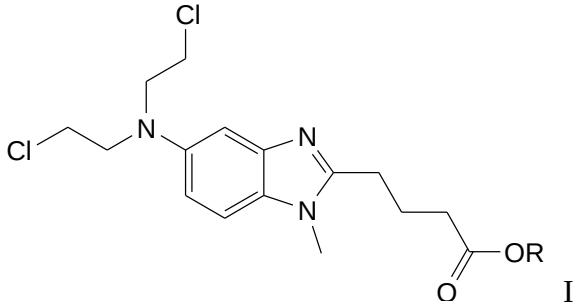
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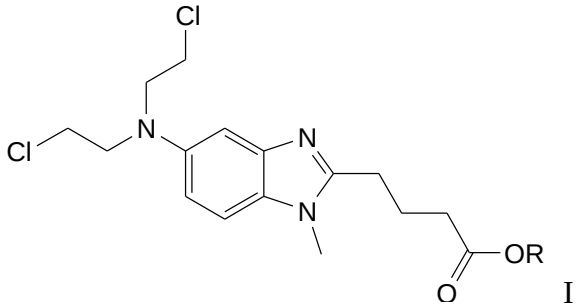
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I

wherein R is C_8-C_{24}alkyl or polyethylene glycol.

18. Use of according to formula I:



I

wherein R is C_8-C_{24}alkyl or polyethylene glycol.

19. The use of claim 18, wherein the cancer is chronic lymphocytic leukemia, Hodgkin's disease, indolent non-Hodgkin's lymphoma, aggressive non-Hodgkin's lymphoma, multiple myeloma, acute lymphocytic leukemia, breast cancer or lung cancer.

20. The use of claim 18, wherein the cancer is selected from sarcoma, bladder cancer, cervical cancer, testicular cancer, melanoma, glioblastoma, colon cancer, head and neck cancer, ovarian cancer, and prostate cancer.

21. The use of any one of claims 18 to 20, wherein the patient is resistant to one or more chemotherapeutic agents.

22. The use of claim 21, wherein the one or more chemotherapeutic agents is an alkylating agent.

23. Nanoparticles comprising a compound according to any one of claims 1 to 10.

24. The nanoparticles of claim 23, further comprising human serum albumin.

25. The nanoparticles of claims 23 or 24, further comprising poly-lactic glycolic acid.

26. The nanoparticles of claims 23 or 24, further comprising a polyethylene glycol.

27. The nanoparticles of claims 23 or 24, further comprising a poly-lactic glycolic Acid (PLGA) and polyoxyethylene lactic acid copolymer.

28. The nanoparticles of claim 24, wherein the human serum albumin is cross-linked with a dialdehyde.

29. The nanoparticles of claim 28, wherein the dialdehyde is glutaraldehyde.

30. A lyophilized composition comprising nanoparticles according to any one of claims 23 to 29.

31. The lyophilized composition of claim 30, further comprising one or more of mannitol, trehalose, sucrose, or NaCl.

32. Use of the nanoparticles according to any one of claims 23 to 29 in the preparation of a medicament for treating cancer.

33. The use of claim 32, wherein the cancer is chronic lymphocytic leukemia, Hodgkin's disease, indolent non-Hodgkin's lymphoma, aggressive non-Hodgkin's lymphoma, multiple myeloma, acute lymphocytic leukemia, breast cancer or lung cancer.

34. The use of claim 32, wherein the cancer is selected from sarcoma, bladder cancer, cervical cancer, testicular cancer, melanoma, glioblastoma, colon cancer, head and neck cancer, ovarian cancer, and prostate cancer.

35. The use of any one of claims 32 to 34, wherein the patient is resistant to one or more chemotherapeutic agents.

36. The use of claim 35, wherein the one or more chemotherapeutic agents is an alkylating agent.