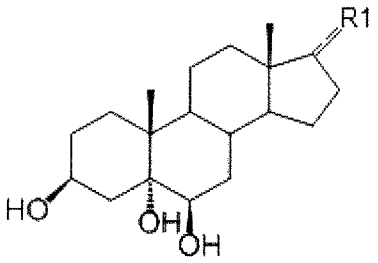
WHAT IS CLAIMED IS:

1. Use of a 3β,5α,6β-trihydroxyl steroid compound having formula A or a pharmaceutically acceptable salt thereof in preparation of a pharmaceutical composition for prophylaxis or treatment of an altitude sickness caused by hypobaric hypoxia:



(Formula A)

wherein R1 is H, or a linear or branched alkyl or terminal alkenyl having 1 to 5 carbon atoms.

2. The use of claim 1, wherein R1 is H.

3. The use of claim 1, wherein R1 is selected from a group consisting of $-CHCH_2CH_3$, $-CH(CH_3)_2$, $-CH(CH_2)_3CH_3$ and $-CH(CH_3)(CH_2)_3CH(CH_3)_2$.

4. The use of claim 1, wherein the altitude sickness is an acute altitude sickness.

5. The use of claim 1, wherein the altitude sickness is high-altitude cerebral edema.

6. The use of claim 1, wherein the altitude sickness is neuron damage.

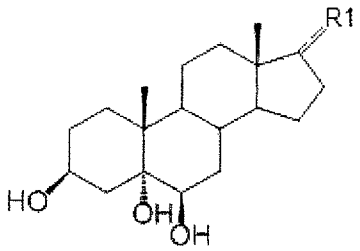
7. The use of claim 6, wherein the altitude sickness is neuron damage caused by high-altitude acute hypobaric hypoxia.

8. The use of claim 6, wherein the altitude sickness is neuron damage caused by high-altitude chronic hypobaric hypoxia.

9. The use of claim 1, wherein the pharmaceutical composition further comprises an additional component for the prophylaxis or treatment of an altitude sickness caused by hypobaric hypoxia.

WHAT IS CLAIMED IS:

1. Use of a 3β,5α,6β-trihydroxyl steroid compound having formula A or a pharmaceutically acceptable salt thereof in preparation of a pharmaceutical composition for prophylaxis or treatment of an altitude sickness caused by hypobaric hypoxia:



(Formula A)

wherein R1 is H, or a linear or branched alkyl or terminal alkenyl having 1 to 5 carbon atoms.

2. The use of claim 1, wherein R1 is H.

3. The use of claim 1, wherein R1 is selected from a group consisting of $-CHCH_2CH_3$, $-CH(CH_3)_2$, $-CH(CH_2)_3CH_3$ and $-CH(CH_3)(CH_2)_3CH(CH_3)_2$.

4. The use of claim 1, wherein the altitude sickness is an acute altitude sickness.

5. The use of claim 1, wherein the altitude sickness is high-altitude cerebral edema.

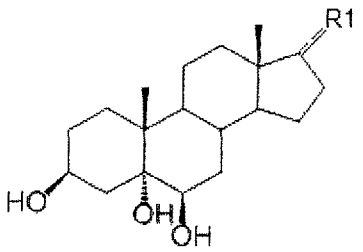
6. The use of claim 1, wherein the altitude sickness is neuron damage.

7. The use of claim 6, wherein the altitude sickness is neuron damage caused by high-altitude acute hypobaric hypoxia.

8. The use of claim 6, wherein the altitude sickness is neuron damage caused by high-altitude chronic hypobaric hypoxia.

9. The use of claim 1, wherein the pharmaceutical composition further comprises an additional component for the prophylaxis or treatment of an altitude sickness caused by hypobaric hypoxia.

10. A method for prophylaxis or treatment of an altitude sickness caused by hypobaric hypoxia, comprising administering to a subject in need thereof an effective amount of a 3β,5α,6β-trihydroxyl steroid compound having formula A or a pharmaceutically acceptable salt thereof:



(Formula A),

wherein R1 is H or a linear or branched alkyl or terminal alkenyl having 1 to 5 carbon atoms.

11. The method of claim 10, wherein R1 is H.

12. The method of claim 10, wherein R1 is selected from a group consisting of $-CHCH_2CH_3$, $-CH(CH_3)_2$, $-CH(CH_2)_3CH_3$ and $-CH(CH_3)(CH_2)_3CH(CH_3)_2$.

13. The method of claim 10, wherein the altitude sickness is selected from a group consisting of an acute altitude sickness, high-altitude cerebral edema, neuron damage caused by acute hypobaric hypoxia, and neuron damage caused by chronic hypobaric hypoxia.

14. The method of claim 10, wherein the subject is mammalian.

15. The method of claim 14, wherein the mammalian is a human being.