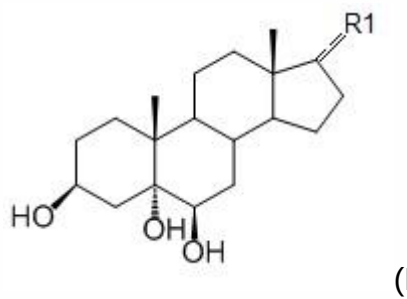
WHAT IS CLAIMED IS:

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, or R1 is $-CH(CH_3)(CH_2)_3CH(CH_3)_2$.

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 condition of the altitude sickness comprises high-altitude cerebral edema.

6. The use of claim 5, wherein the high-altitude cerebral edema is vasogenic edema.

7. The use of claim 1, wherein condition of the altitude sickness comprises neuron damage.

8. The use of claim 7, wherein the neuron damage is caused by high-altitude

acute hypobaric hypoxia.

9. The use of claim 7, wherein the neuron damage is caused by high-altitude chronic hypobaric hypoxia.

10. 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.