CLAIMS

What is claimed is:

1. Use of a *Hericium erinaceus* mycelium active substance in the manufacture of a medicament for preventing or treating age-related macular degeneration, wherein a preparation method of the *Hericium erinaceus* mycelium active substance includes the following steps:

(a) cultivating a *Hericium erinaceus* mycelium on a plate medium at 15-35°C for 7-15 days;

(b) inoculating the *Hericium erinaceus* mycelium in step (a) into a flask and culturing the mycelium at 15-35°C and pH 2-8 for 3-5 days;

(c) inoculating the *Hericium erinaceus* mycelium in step (b) into a fermentation tank and culturing the mycelium by stirring at 15-35°C and pH 4.5-5.5 for 7-15 days to obtain a *Hericium erinaceus* mycelium fermentation liquid containing the *Hericium erinaceus* mycelium active substance;

(d) freeze-drying and then grinding the *Hericium erinaceus* mycelium fermentation liquid to obtain a *Hericium erinaceus* mycelium lyophilized powder containing the *Hericium erinaceus* mycelium active substance;

(e) extracting the *Hericium erinaceus* mycelium lyophilized powder with ethanol twice to obtain a *Hericium erinaceus* mycelium extract containing the *Hericium erinaceus* mycelium active substance; and

(f) drying the *Hericium erinaceus* mycelium extract to obtain the *Hericium erinaceus* mycelium active substance.

2. The use of claim 1, wherein the cultivation in the flask in the step (b) is shake flask cultivation with a rotation speed of 10-250 rpm.

3. The use of claim 1, wherein a gas is further fed in the fermentation tank in the step (c), and the gas includes air, oxygen, carbon dioxide, helium or a combination thereof; pressure of the fermentation tank is 0.5-2.0 kg/cm^2, and a gas flow rate is 0.5-1 VVM.

4. The use of claim 1, wherein the medicament is a pharmaceutical composition, and the pharmaceutical composition further comprises a pharmaceutically acceptable carrier, an excipient, a diluent or an adjuvant.

5. The use of claim 1, wherein the medicament is to be administrated orally or as a drop or a suppository.