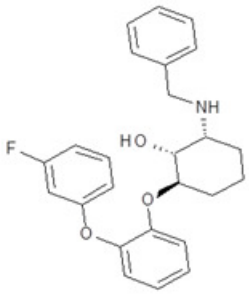
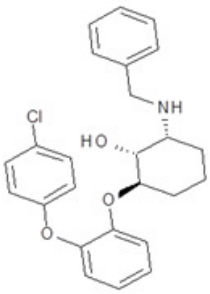
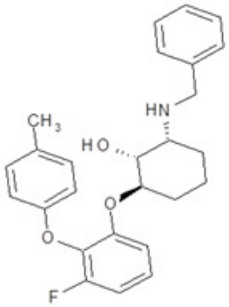
CLAIMS

What is claimed is:

1. Use of a mitoriboscin and a pharmaceutically acceptable carrier in the manufacture of a medicament for treating cancer, wherein the mitoriboscin comprises the general formula of at least one of:

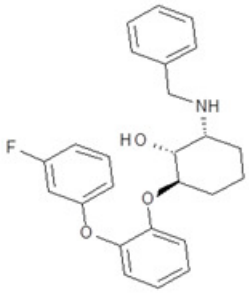


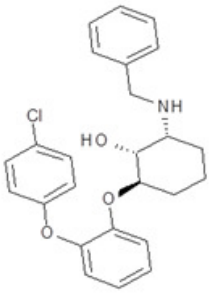
, 

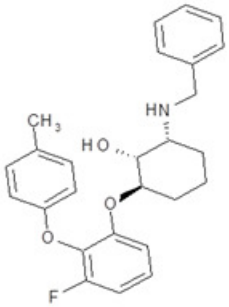
, and 

, or a pharmaceutically acceptable salt thereof.

2. Use of a mitoriboscin and a pharmaceutically acceptable carrier in the manufacture of a medicament for treating microbial infection or a pathogenic yeast infection, wherein the mitoriboscin comprises the general formula of at least one of:

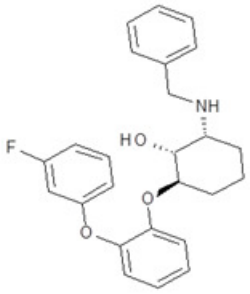


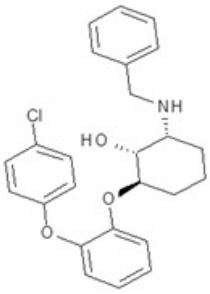
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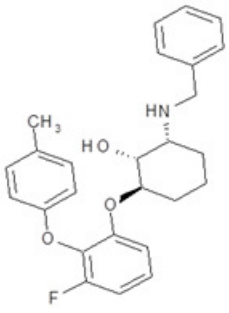
, and 

, or a pharmaceutically acceptable salt thereof.

3. A pharmaceutical composition for use in therapy containing, as the active ingredient, at least one mitoriboscin, wherein the mitoriboscin comprises the general formula of at least one of:



,


, and


, or a pharmaceutically acceptable salt thereof.

4. The use of any one of claims 1 to 2 or the pharmaceutical composition for use of claim 3, wherein the mitoriboscin possesses anti-aging activity, or radiosensitizing activity, or photosensitizing activity.

5. The use of any one of claims 1 to 2 or the pharmaceutical composition for use of claim 3, wherein the mitoriboscin sensitizes cancer cells to chemotherapeutic agents.

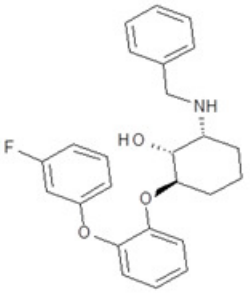
6. The use of any one of claims 1 to 2 or the pharmaceutical composition for use of claim 3, wherein the mitoriboscin sensitizes cancer cells to natural substances.

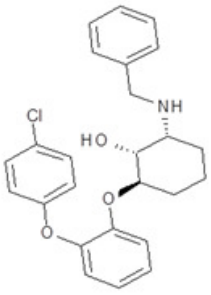
7. The use of any one of claims 1 to 2 or the pharmaceutical composition for use of claim 3, wherein the mitoriboscin sensitizes cancer cells to caloric restriction.

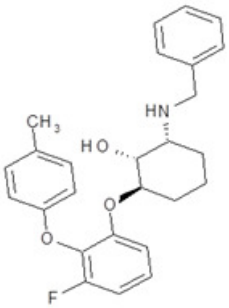
8. The use of any one of claims 1 to 2 or the pharmaceutical composition for use of claim 3, wherein the mitoriboscin binds to the large sub-unit of the mitochondrial ribosome.

9. The use of any one of claims 1 to 2 or the pharmaceutical composition for use of claim 3, wherein the mitoriboscin binds to the small sub-unit of the mitochondrial ribosome.

10. A non-therapeutic method of treating an age-related condition or aging, the method comprising administration of a mitoriboscin and a pharmaceutically acceptable carrier, wherein the mitoriboscin comprises the general formula of at least one of:



, 

, and 

, or a pharmaceutically acceptable salt thereof.