CLAIMS

[Claim 1]

A pentosidine production inhibitor comprising a lactic acid bacterium fermentation product as an active ingredient, wherein a low or high molecular fraction of a supernatant obtained from a fermentation product of a culture medium containing a milk constituent by a lactic acid bacterium is used as the lactic acid bacterium fermentation product, wherein the low molecular fraction of the obtained supernatant is a fraction having a molecular weight of 20,000 Da or lower or the high molecular fraction of the obtained supernatant is a fraction having molecular weight of 3,500 Da or higher.

[Claim 2]

The pentosidine production inhibitor according to claim 1, in which the pentosidine production inhibition rate is 25% or higher when the concentration of the lactic acid bacterium fermentation product is 0.05% by mass in terms of the dry solid content.

[Claim 3]

The pentosidine production inhibitor according to claim 1 or 2, wherein a product obtained by fermenting a culture medium containing a milk constituent with a lactic acid bacterium is used as the lactic acid bacterium fermentation product.

[Claim 4]

The pentosidine production inhibitor according to claims 1 or 2, wherein a supernatant obtained from a fermentation product of a culture medium containing a milk constituent by a lactic acid bacterium is used as the lactic acid bacterium fermentation product.

~~[Claim 5]~~

~~The pentosidine production inhibitor according to claim 1 or 2, wherein a low molecular fraction of a supernatant obtained from a fermentation product of a culture medium containing a milk constituent by a lactic acid bacterium is used as the lactic acid bacterium fermentation product.~~

~~[Claim 6]~~

~~The pentosidine production inhibitor according to claim 1 or 2, wherein a high molecular fraction of a supernatant obtained from a fermentation product of a culture medium containing a milk constituent by a lactic acid bacterium is used as the lactic acid bacterium fermentation product.~~

[Claim ~~7~~5]

The pentosidine production inhibitor according to ~~any one of~~ claim~~s~~ 3 ~~to~~ or ~~6~~4, wherein the lactic acid bacterium is *Streptococcus thermophilus*.

[Claim ~~8~~6]

The pentosidine production inhibitor according to any one of claims 3 to ~~6~~5, wherein the lactic acid bacterium is a *Streptococcus thermophilus strain YIT2084* (FERM BP-10879).

[claim ~~9~~7]

The pentosidine production inhibitor according to claim 1 or 2, wherein a product obtained by fermenting a culture medium containing an aloe with a lactic acid bacterium is used as the lactic acid bacterium fermentation product.

[Claim ~~10~~8]

The pentosidine production inhibitor according to claim ~~9~~7, wherein the lactic acid bacterium is *Lactobacillus plantarum*.