## CLAIMS

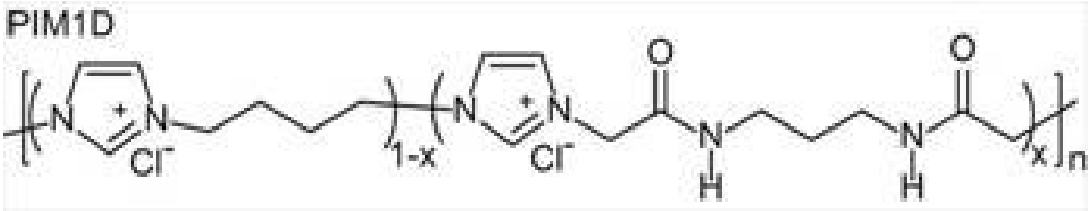
1. Use of one or more polyimidazolium (PIM) compounds in the manufacture of a medicament for the prophylaxis or treatment of mastitis in a mammal, wherein the one or more polyimidazolium (PIM) compounds is selected from the group consisting of:

PIM1



; and

PIM1D



.

2. The use of claim 1, wherein:

a) for PIM1 n is a number selected from 2 to 10 and the number average molecular weight is from 1,000 to 2,000 Daltons;

b) for PIM1D n is a number selected from 2 to 10, x is about 25%, and the number average molecular weight is from 1,000 to 2,000 Daltons.

3. The use of claim 2, wherein:

a) for PIM1 n=9 and the number average molecular weight is 1562 Daltons; and

b) for PIM1D n=10, x is about 25% and the number average molecular weight is 1856 Daltons.

4. The use of any one of claims 1 to 3, wherein the polyimidazolium compound is a salt, such as a chloride salt.

5. The use of any one of claims 1 to 4, wherein the medicament comprises at least 0.05% w/v polyimidazolium compound.

6. The use of any one of claims 1 to 5, wherein the medicament further comprises glycerol.

7. The use of claim 6, wherein the medicament comprises glycerol in an amount of 10% w/v or less.

8. The use of any one of claims 1 to 7, wherein the mammal is selected from the group comprising cows, pigs, goats, sheep and humans.

9. The use of claim 8, wherein the mammal is a cow.

10. The use of any one of claims 1 to 9, wherein the medicament defined in any one of claims 1 to 7 is to be applied to one or more teats of said mammal.

11. The use of claim 9 or 10, wherein the medicament is to be applied daily post-milking.

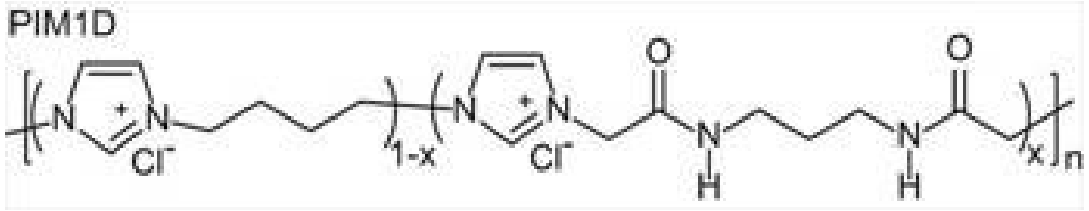
12. A composition comprising one or more polyimidazolium (PIM) compounds formulated to prevent or treat mastitis in a mammal, wherein said one or more polyimidazolium (PIM) compounds are selected from the group consisting of:

PIM1




; and

PIM1D




.

13. The composition of claim 12, wherein:

a) for PIM1 n is a number selected from 2 to 10 and the number average molecular weight is from 1,000 to 2,000 Daltons;

b) for PIM1D n is a number selected from 2 to 10, x is about 25%, and the number average molecular weight is from 1,000 to 2,000 Daltons.

14. The composition of claim 13, wherein:

a) for PIM1 n=9 and the number average molecular weight is 1562 Daltons; and

b) for PIM1D n=10, x is about 25% and the number average molecular weight is 1856 Daltons.

15. The composition of any one of claims 12 to 14, wherein the polyimidazolium compound is a salt, such as a chloride salt.

16. The composition of any one of claims 12 to 15, wherein the composition comprises at least 0.05% w/v polyimidazolium compound.

17. The composition of any one of claims 12 to 16, wherein the composition further comprises glycerol.

18. The composition of claim 17, wherein the composition comprises glycerol in an amount of 10% w/v or less.

19. The composition of any one of claims 12 to 18, wherein the mammal is selected from the group comprising cows, pigs, goats, sheep and humans.

20. The composition of claim 19, wherein the mammal is a cow.