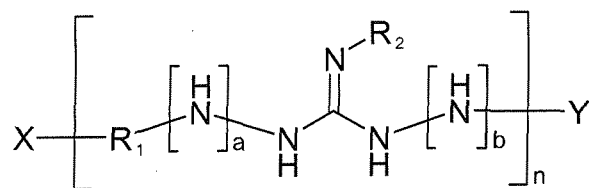


ABSTRACT

The invention relates to new polycondensation products of aminoguanidine and/or 1,3-diaminoguanidine with one or more diamines, i.e. to polyguanidine derivatives of the following formula (I):



(I)

wherein

X is selected from $-NH_2$, aminoguanidino, and 1,3-diaminoguanidino;

Y is selected from $-H$ and $-R_1-NH_2$;

or X and Y together represent a chemical bond to give a cyclic structure;

R_1 is selected from divalent organic radicals having 2 to 20 carbon atoms, in which optionally one or more carbon atoms are replaced by O or N;

a and b are each 0 or 1,

wherein $a+b \neq 2$ if no 1,3-diaminoguanidine units are contained;

R_2 is selected from $-H$ and $-NH_2$,

wherein R_2 is $-NH_2$ if $a+b = 0$,

R_2 is $-H$ or $-NH_2$ if $a+b = 1$, and

R_2 is $-H$ if $a+b = 2$; and

$n \geq 2$;

or a salt thereof;

a production method as well as various applications thereof.