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ABSTRACT

Novel Amadori reaction compounds have the formula R_1-NH-R_2 , wherein R_1 comprises the D-form of a 1-amino-1-deoxy-2-ketose radical derived from a sugar radical selected from the group of glucose, xylose, galactose, rhamnose, fructose, mannose, 6-deoxyglucose, glucosamine and galactosamine, and R_2 comprises the L-form of an aminoacid or peptide radical selected from the group of serine, glycine, proline, histidine, arginine, alanine, aspartic acid, glutamic acid, phenylalanine, treonine, cysteine, cystine, glutamine, asparagine, methionine, tyrosine, hydroxyproline, tryptophane, valine, isoleucine, lysine and leucine. Compounds and combinations of compounds having the general formula $R_1'-NH-R_2'$, wherein R_1' comprises a 1-amino-1-deoxy-2-ketose radical derived from the group of simple sugars, oligo- and polysaccharides, and R_2' comprises an aminoacid or a peptide radical, are used to produce pharmaceutical preparations which in contact with human leukocytes produce interferon and other cytokines.

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