Patent Claims

1. Antibacterial agent for treating bacterial infectious diseases including hospital infections and drug resistant TB, which represents ionic nanostructured complex formed by proteins and/or polypeptides. Carbohydrates, salts of alkali and alkaline-earth metals and iodine intercalated into them, characterized in that the proteins and/or polypeptides of ion nanostructured complex contain at least one chain-terminal amino acid with electron-donor functional groups.
2. Antibacterial agent according to claim 1, characterized in that interleukins are used as proteins, and chain-terminal amino acids are Phe, Ala, Val, Ala, Leu, Ile, etc.
3. Antibacterial agent according to claim 1 ~~and~~ or claim 2, characterized in that the antimicrobial agent increases bacterial susceptibility to antibiotics, including antibiotic-resistant bacteria.
4. Antibacterial agent according to any one of claims 1 to 3, characterized in that it increases the efficiency of antibiotic treatment for bacterial infectious diseases, including hospital infections and drug-resistant TB.
5. Antibacterial agent according to any one of claims 1 to 4, characterized in that it has antiviral action.
6. Antibacterial agent according to any one of the preceding claims, characterized in that it has immunogenic activity, increasing the activity of monocyte-macrophages and cytotoxic T-lymphocytes.
7. Antibacterial agent according to any one of claims 1 to 5, characterized in that it stimulates the hematopoietic function of bone marrow.
8. Antibacterial agent according to any one of claims 1 to 5, characterized in that it possesses antineoplastic action.
9. Antibacterial agent under according to any one of claims 1 to 5, characterized in that it has radioprotective properties.