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 ~~under p. 1~~ 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 ~~under p. 1, 2~~ according to claim 1 and 2, characterized in that the antimicrobial agent increases bacterial susceptibility to antibiotics, including antibiotic-resistant bacteria.
4. Antibacterial agent ~~under p. 1, 4~~ 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 ~~under p. 1 5~~ according to any one of claims 1 to 4, characterized in that it has antiviral action.
6. Antibacterial agent ~~under p. 1 6~~ 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 ~~under p. 1 5~~ according to any one of claims 1 to 5, characterized in that it stimulates the hematopoietic function of bone marrow.
8. Antibacterial agent ~~under p. 1 5~~ according to any one of claims 1 to 5, characterized in that it possesses antineoplastic action.

9. Antibacterial agent under ~~p. 1-5~~ according to any one of claims 1 to 5, characterized in that it has radioprotective properties.

10. Antibacterial agent ~~under p. 1-6~~ according to any one of claims 1 to 6, characterized in that INSC has the following formula: [{(Ln (MeI3) +) y [Me (Lm) I] + x} (Cl-) y + x + k] with M = 30-300 kDa.

11. Antibacterial agent ~~under p. 1-5~~ according to any one of claims 1 to 5, characterized in that it is presented in a pharmaceutical form suitable for parenteral, oral, external or other application.

12. Antibacterial agent ~~under p. 1-5~~ according to any one of claims 1 to 5, characterized in that in certain acceptable concentrations of components it is a non-medicinal agent.

13. Method of producing the antibacterial agent ~~under p. 1~~according to claim 1, comprising complexation reaction of carbohydrates and proteins with metal salts, and intercalation of iodine into complex at ionic strength from $5 \cdot 10^{-4}$ to 15, characterized in that introduction of immunotropic proteins is carried out as an individual stage after iodine intercalation of 5 - 95%.