

New Perspectives of Fight against Virus HIV

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Abstract: The knowledge about lectins has been collected. The possible use of lectins in the fight against virus HIV has been postulated.

The proteins lectins protect seeds of plants against infection agglomerating bacteria and viruses, especially in the early stage of the germination.

These proteins have the subunit structure.

Moreover, thanks to the lectins is possible binding bacteria *Rhizobium* by the papilionaceae plants and the specific recognition pollen on the stigma of the pistil carpel.

The lectins can be isolated from seeds of plants, from the surface of pollen or from the stigma of pistil carpel, where they determine the specificity of the acceptance of pollen.

They can be also separated from the roots of papilionaceae plants [1].

One may try to find lectins specifically binding HIV virus. They could eliminate the problem of AIDS. Then, one needs to administer these lectins to the lymph nodes. I have not made experiments with the virus HIV personally. I know virology too little to work with such a dangerous virus.

Viruses do not infiltrate the growing points of plants and it can permit to fight against virus illnesses, including AIDS, too [2].

This method is alternative to attempts at looking for the vaccines against HIV and it is a possibility to find next classes of antiviral medicaments.

References:

1. Polish handbooks of physiology of plants
2. S. Kryczyński, "Wirusologia roślinna", PWN Warszawa 2010