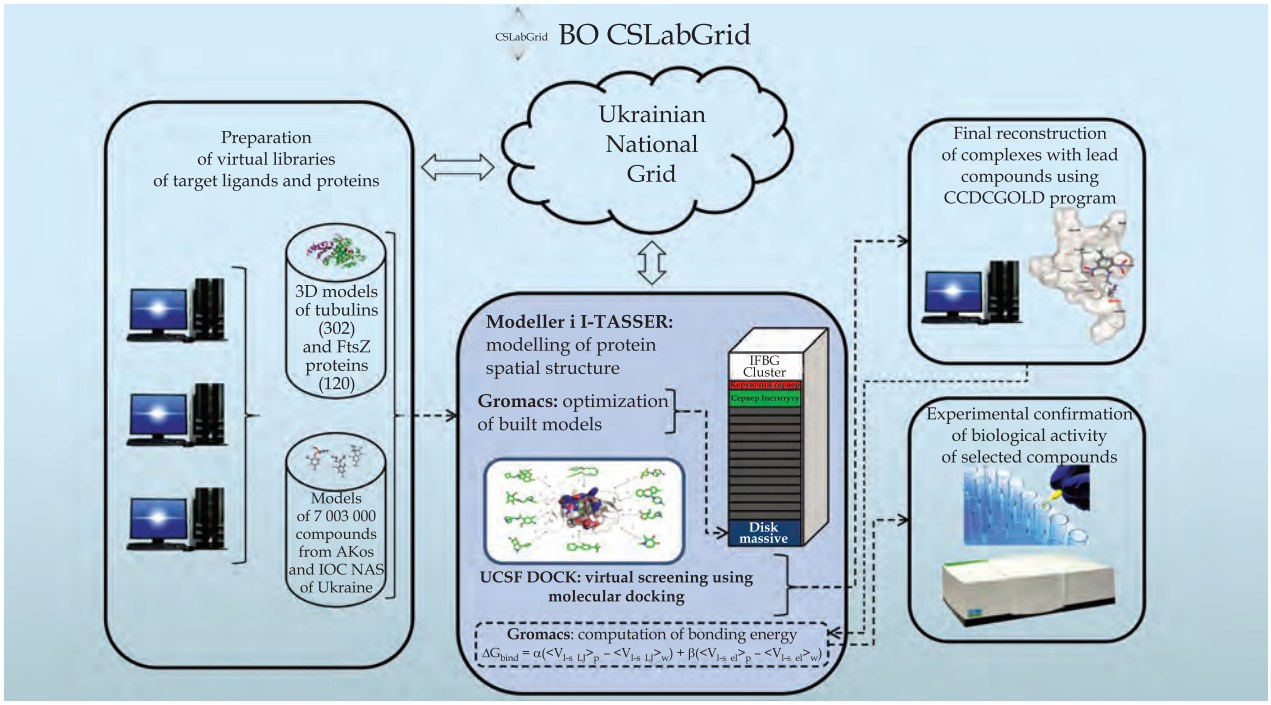
HIGH-THROUGHPUT SCREENING OF BIOLOGICALLY ACTIVE SUBSTANCES WITH ANTIBACTERIAL AND ANTIMITOTIC ACTION



Areas of Application

The method is designed to reduce cost and to speed up searching substances with antibacterial and antimitotic action

Advantages

The used approach enables to significantly reduce financial and time inputs for searching new antibacterial and antimitotic agents and to open prospects for creating new drugs with protozoacide, anthelmintic, antitumor, fungicide, and herbicide action

IPR Protection

IPR1, IPR3

Specification

A complete process cycle for high-throughput screening of biologically active substances with antibacterial and antimitotic effect, which act as inhibitors of tubulin and its bacterial homologue FtsZ protein; the cycle includes virtual screening of multimillion ligand libraries in Grid and lab verification of biological properties of selected lead compounds.
There is a working model able to perform tasks in command line mode

Stage of Development. Suggestion for Commercialization

IRL3, TRL1
Seeking investors for the creation of respective services and interfaces

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