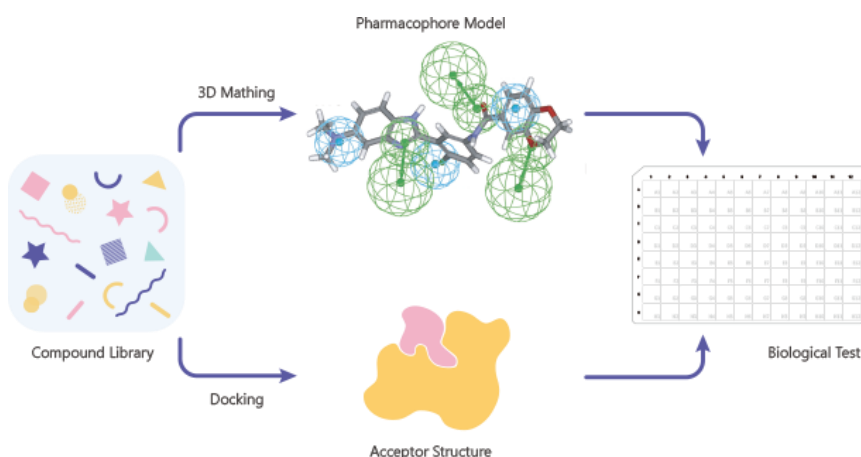


Virtual Screening (30)

IN THE LAST DECADES, HIGH-THROUGHPUT SCREENING (HTS), WHICH REFERS THE EXPERIMENTAL SCREENING OF LARGE LIBRARIES OF CHEMICALS AGAINST A BIOLOGICAL TARGET, PLAYS A CRUCIAL ROLE IN THE IDENTIFICATION OF NEW LEAD COMPOUNDS IN THE EARLY-STAGE DRUG DISCOVERY. HOWEVER, HTS REQUIRES EXPENSIVE EQUIPMENT AND FACILITIES, AND ITS SUCCESS DEPENDS ON THE SIZE OF THE COMPOUND LIBRARY. THE HIGH COST AND LOW HIT RATE ASSOCIATED WITH HTS HAVE STIMULATED THE DEVELOPMENT OF IN SILICO VIRTUAL SCREENING (VS). VIRTUAL SCREENING IS A COMPUTATIONAL TECHNIQUE USED TO SEARCH LIBRARIES OF SMALL MOLECULES IN ORDER TO IDENTIFY THOSE STRUCTURES WHICH ARE MOST LIKELY TO BIND TO A DRUG TARGET. NOWADAYS, IT HAS BECOME A CRUCIAL STEP IN EARLY-STAGE DRUG DISCOVERY OWING TO ITS UNIQUE ADVANTAGES OVER EXPERIMENTAL HTS: DRUG TARGET-RELEVANT, COMPETITIVE PRICE AND EFFICIENT.

MEDCHEMEXPRESS (MCE) PROVIDES HIGH QUALITY VIRTUAL SCREENING SERVICE THAT ENABLES RESEARCHERS TO IDENTIFY MOST PROMISING CANDIDATES. BASED ON THE LAWS OF QUANTUM AND MOLECULAR PHYSICS, OUR VIRTUAL SCREENING SERVICES CAN ACHIEVE HIGHLY ACCURATE RESULTS. OUR OPTIMIZED VIRTUAL SCREENING PROTOCOL CAN REDUCE THE SIZE OF CHEMICAL LIBRARY TO BE SCREENED EXPERIMENTALLY, INCREASE THE LIKELIHOOD TO FIND INNOVATIVE HITS IN A FASTER AND LESS EXPENSIVE MANNER, AND MITIGATE THE RISK OF FAILURE IN THE LEAD OPTIMIZATION PROCESS.



CLICK FOR MORE

<https://www.medchemexpress.com/virtual-screening.html>