



# SOFTSERVE GEN AI DRUG DISCOVERY, ACCELERATED

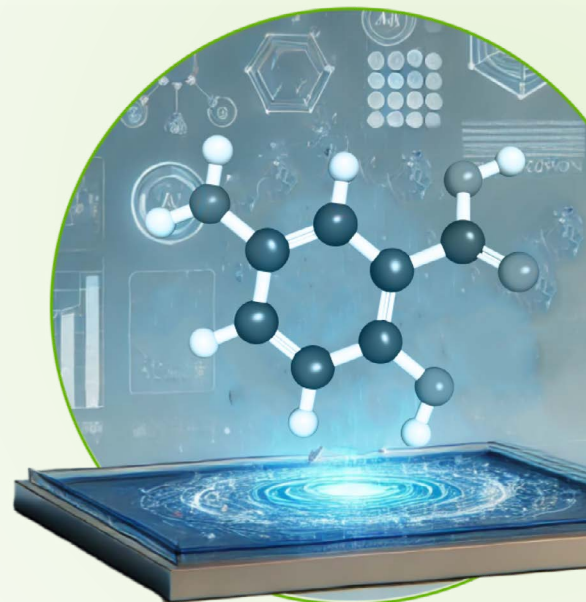
## BY NVIDIA BioNeMo™ Blueprints

PHARMACEUTICAL

BIOTECHNOLOGY

BEAUTY

HEALTHCARE AND LIFE SCIENCE



Optimize your drug discovery process with SoftServe Gen AI Drug Discovery, accelerated by NVIDIA BioNeMo™ Blueprints. This solution integrates advanced AI tools, including MolMIM, DiffDock, and our proprietary molecular generator, to streamline drug development. It accelerates the identification and refinement of successful drug candidates, significantly reducing the cost and time-to-market for new treatments.

Gen AI analyzes data to provide accurate predictions and evaluations of prospective drug compounds in alignment with established medical and research standards.

## VALUE

Our packaged solution, SoftServe Gen AI Drug Discovery, provides ready-to-use AI technology designed for quick and easy implementation. Our solution simplifies and expedites the adoption of Gen AI applications in production environments.

SoftServe Gen AI Drug Discovery solution helps researchers, application developers, pharmaceutical companies, and AI pharma discovery teams to:



Streamline the early stages of drug discovery



Enable generation of novel molecular compounds



Facilitate prediction of target properties and ranking of candidates

## BENEFITS

**REDUCE DRUG  
RESEARCH AND  
DEVELOPMENT COSTS**

**IMPROVE ACCURACY  
IN CANDIDATE DRUG  
SELECTION**

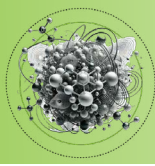
**SPEED UP TIME-TO-  
MARKET FOR NEW  
TREATMENTS**

**MINIMIZE MANUAL  
TASKS WITH AI-DRIVEN  
AUTOMATION**



softserve

## USE CASES



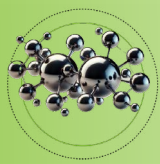
### **Generation of Novel Molecular Compounds:**

Create novel compounds for specific therapeutic targets using advanced algorithms.



### **Protein Structure Prediction:**

Automate prediction of 3D protein structures based on amino acid sequences.



### **Molecular Docking and ADME-Tox Predictions:**

Streamline processes for molecular docking and ADME-Tox predictions to assess how drug candidates interact with target proteins while evaluating their pharmacokinetic properties.

## NVIDIA AI ENTERPRISE SOFTWARE TECH STACK



NVIDIA NIM™ microservices



NVIDIA BioNeMo™ Blueprints



NVIDIA® TensorRT™



NVIDIA NeMo™

## VALUE TO CLIENTS ON THEIR GEN AI JOURNEY

NVIDIA and SoftServe leverage the power of AI and accelerated computing, offering innovative solutions that align with our customer's business outcomes. As an NVIDIA Elite Service Delivery Partner, SoftServe's expertise helps clients evaluate, prioritize, implement, and scale industry-specific Gen AI (and AI/ML) applications and 3D simulation solutions. NVIDIA engineers the most advanced hardware, systems, and software for the AI factories for the future. Together, we enable our joint clients to quickly find a path to success that scales with growth during their Generative AI adoption.

[Find out more](#)



**NVIDIA**

**softserve**