

# **U.S. Small Molecule Drug Discovery Outsourcing Market Size, Share & Trends Analysis Report By Workflow (Target Identification & Screening, Target Validation & Functional Informatics), By Service, By Therapeutics Area, By End Use, And Segment Forecasts, 2025 - 2033**

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## **Abstracts**

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### **U.S. Small Molecule Drug Discovery Outsourcing Market Summary**

The U.S. small molecule drug discovery outsourcing market size was estimated at USD 1.52 billion in 2024 and is projected to reach USD 3.47 billion by 2033, growing at a CAGR of 9.7% from 2025 to 2033. Increasing R&D expenses, rising focus on early-stage research activities, and growing biotech companies with limited in-house resources drive the market.

Besides, outsourcing has emerged as a strategic option for pharmaceutical and biotech companies aiming to accelerate the timelines, lower fixed overhead costs, and gain access to specialized expertise in areas such as medicinal chemistry, hit-to-lead optimization, ADME/PK studies, and IND-enabling activities.

Innovations like AI-driven compound design, CRISPR-based target validation, high-throughput screening, and 3D cell models transform discovery processes, enabling contract research organizations (CROs) to provide more efficient and predictive results. Furthermore, rising R&D costs, increased demand for drug development, and a shift towards virtual pharmaceutical models support the market. In addition, an increase in

registered clinical studies, a higher approval rate for small molecule drugs, advancements in medical technology, a rise in diseases being studied, and the urgent need for new treatments are anticipated to drive the market.

## U.S. Small Molecule Drug Discovery Outsourcing Market Report Segmentation

This report forecasts revenue growth at the country level and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the U.S. small molecule drug discovery outsourcing market report based on workflow, service, therapeutics area, and end use:

Workflow Outlook (Revenue, USD Million, 2021 - 2033)

Target Identification & Screening

Target Validation & Functional Informatics

Lead Identification & Candidate Optimization

Preclinical Development

Others

Service Outlook (Revenue, USD Million, 2021 - 2033)

Chemistry Services

Biology Services

Therapeutics Area Outlook (Revenue, USD Million, 2021 - 2033)

Respiratory system

Pain and Anesthesia

Oncology

Ophthalmology

Hematology

Cardiovascular

Endocrine

Gastrointestinal

Immunomodulation

Anti-infective

Central Nervous System

Dermatology

Genitourinary System

End Use Outlook (Revenue, USD Million, 2021 - 2033)

Pharmaceutical & Biotechnology companies

Academic Institutes

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