






Excelra's Target Dossier Services

Target identification is an essential first step toward the discovery and development of any new therapeutic. Consequently, successful pharma organizations perform due diligence around a target of interest before embarking on the long, time-consuming, expensive and high-risk endeavor of drug development. Clinical translatability to ensure that a drug's activity against the target is efficacious with minimal side effects, marks the crucial difference between success and failure of drug development.

Excelra's Custom Target Dossier Services

Excelra is strongly positioned to deliver tailor-made target assessment dossiers based on unique requirements of our global Biotech and Pharma clients. The dossier is a compendium of information on the complete target profile including structural, systemic and functional aspects of a protein and the gene-encoding it.

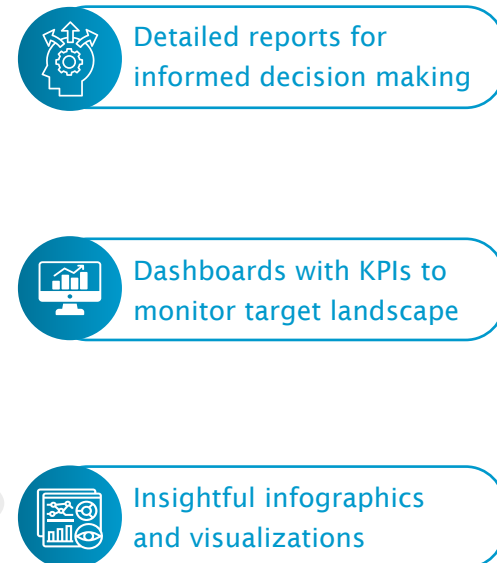
To facilitate critical 'Go/No-go decision making', we provide a 360-degree view of a target detailing:

-  Role in healthy tissues as well as its association with disease(s).
-  Molecular pharmacology, target expression across human tissues/organs, species, gene alterations and target interactions with other proteins/genes.
-  Competitive landscape of drug development by stage (approved, clinical & pre-clinical drugs).
-  Adverse events or toxicity data for compounds at any stage of development.
-  ON- and OFF- target safety assessment and de-risking strategies.

Use-Cases



Additional Features



Sample Table of Contents

1. Target Profile

- 1.1 Target Name
- 1.2 Protein Function
- 1.3 Synonyms
- 1.4 Genetic Identifiers

2. Structural characteristics-Domains etc.

3. Functional characteristics

4. Selectivity-Structural, Functional

5. Target Expression profile

6. Target Interactome

7. Target Genetics

- 7.1 Target associated gene
- 7.2 miRNAs associated with the target
- 7.3 Orthologs for the target
- 7.4 Paralogs for the target
- 7.5 Target associated Phenotypes

8. Target associated Ontologies and Pathways

- 8.1 GO Molecular Functions
- 8.2 GO Biological Processes
- 8.3 GO Cellular Component
- 8.4 Pathways
- 8.5 Bayesian Network Analysis

9. Target associated Diseases

- 9.1 Diseases associated with loss of Target activity
- 9.2 Diseases associated with genetic mutations in the Target
- 9.3 Diseases associated with Increased Target activity

10. Target associated Drugs






11. Phenotype associated with knockout or transgenic models

12. Target Safety and Toxicity

- 12.1 Systems biology information to assist in evaluation of safety liabilities
- 12.2 Bayesian Network Analysis
- 12.3 Hazard overview -Activation/Inhibition of Target

13. Target druggability

Excelra's Service Portfolio

	Insights	Data
 Discovery	<ul style="list-style-type: none">• Data Science Driven Drug Discovery• Target Identification• Target Dossier Services	<ul style="list-style-type: none">• Chemistry Curation Services• GOSTAR <i>Structure Activity Relationship database</i>
 Translational	<ul style="list-style-type: none">• Biomarker Discovery• Drug Repositioning• Life Cycle Management• Systems Biology Informatics	<ul style="list-style-type: none">• Biology Curation Services• GOBIOM <i>Biomarker intelligence database</i>
 Clinical	<ul style="list-style-type: none">• Precision Oncology Informatics• Clinical Pharmacology	<ul style="list-style-type: none">• Clinical Trial Outcomes Database
 Value Evidence	<ul style="list-style-type: none">• Outcomes Research• Epidemiology Modelling• Economic Modelling• Value Evidence Communication	<ul style="list-style-type: none">• RWE & Big Data Realization• SLR & Meta-analysis
 Technology Solutions	<ul style="list-style-type: none">• Enterprise Data Strategy• Enterprise Cloud Ops• Enterprise Digital Transformation	

Excelra Edge



18+
Years Experience



15 of 20
Top Pharma Companies



90+
Clients Globally



60
PhDs and PharmDs

For more information, visit https://www.excelra.com/discovery/#target_dossier



About Excelra

Excelra's data and analytics solutions empower innovation in life sciences across the value chain from discovery to market. The Excelra Edge comes from a seamless amalgamation of proprietary curated data assets, deep domain expertise and data science. The company's multifaceted teams harmonize and analyse large volumes of disparate unstructured data using cutting-edge technologies. We galvanize data-driven decisions to unlock operational efficiencies to accelerate drug discovery and development. Over the past 18 years, Excelra has been the preferred data and analytics partner to over 90 global clients, including 15 of the top 20 large Pharma companies.