excelra

# Seek. Find. Discover.

## GOSTAR™
Small molecules

**Your gateway to accelerated drug discovery**

**Better SAR data means better insights and predictions for your drug pipelines.**

# Accelerate your research to discover the next breakthrough.

Start with GOSTAR™ Small molecules

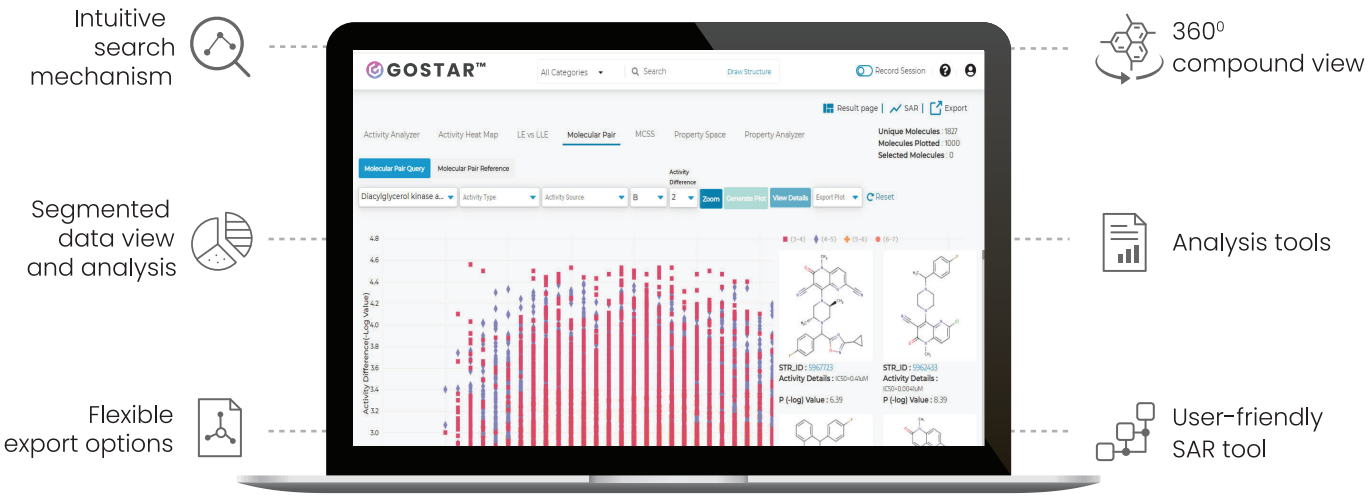
## Applications in drug discovery

Powering an array of versatile applications

- Exploration of chemical and biological space for given targets
- Virtual screening
- Hit identification, lead optimization
- Design and validation of predictive models (QSAR, pharmacophore, AI/ML)
- Drug repurposing, polypharmacology
- Competitive intelligence and novelty analysis

## GOSTAR™ Small molecules features

Informative. Intuitive. Intelligent.



# Chemical and biological data coverage

**10.6M**
Chemical structures

| | | | |
|---|---|---|---|
| 35M+ SAR Data | 79K+ Biological Targets | 2.5M Scaffolds | 120K+ Abstracts & conferences |
| 5M Patents screened | 6.3K Drugs | 25K Clinical compounds | 2.4M ADMET |

# Diverse data sources

- Patents
- Journals
- Scientific reviews
- Company websites
- Clinical trial registries
- FDA/EMEA reports
- Conferences
- Public sources

# Best-in-class data quality

Proprietary QMS-ISO certified curation process powered by NLP and human intelligence

**SAR content**
- Targets involved in orphan / rare diseases
- Selected target families

**Compound profiles**
- Approved drugs
- Clinical candidates
- Physicochemical properties
- Metabolic profiles

**Toxicity data**
- Mechanism-based toxicity
- General toxicity
- Organ toxicity
- In vitro / in vivo toxicity

**Data annotation and integration**
- Open ontology mapping
- Domain-specific ontologies
- Enriched vocabularies
- Semantic data model

# Our clients

Pharmaceuticals | Biotech | Research and academia | AI/ML driven drug discovery companies | Contract research organizations

For more information, visit **excelra.com/databases/gostar/**

Where data means more

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Connect with our experts: marketing@excelra.com

www.excelra.com