

Seek. Find. Discover.

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

Accelerate your research to discover the next breakthrough.

Start with GOSTAR.

GOSTAR 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 features

Informative. Intuitive. Intelligent.

Intuitive search mechanism



Segmented data view and analysis



Flexible export options



360° compound view



Analysis tools



User-friendly SAR tool



GOSTAR data coverage and sources

Creating a knowledge base from diverse sources

Chemical and Biological Space

1.78M

Scaffolds

75K

Targets

24K

Clinical
Compounds

5M

Documents
screened

6.2K

Drugs

32M

Bioactivities

2.1M

ADMET

9.5M

Chemical
structures



Clinical trial
registries



Conferences



Scientific
reviews



Public
sources



Journals



Company
websites



Patents



FDA/EMA
reports

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
- Physicochemical properties
- Clinical candidates
- Metabolic profiles



Toxicity data

- Mechanism-based toxicity
- General toxicity
- Organ toxicity
- In vitro / in vivo toxicity



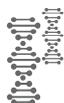
Data annotation and integration

- 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 <https://www.gostardb.com/>

excelra

SAN FRANCISCO • BOSTON • LONDON • GENT
SCHIPHOL • UTRECHT • BASEL • BIELEFELD • HYDERABAD

Connect with our experts at: gostardb@excelra.com

www.excelra.com