

8 PatSight

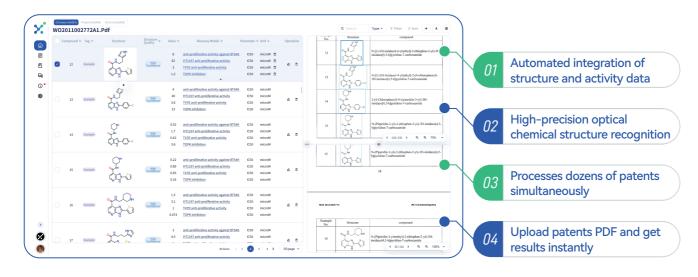
Pharmaceutical Patent Data Mining Platform

Streamlining Patent Analysis to Jump-start Your Drug Discovery

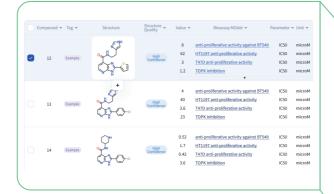


PatSight: Pharmaceutical Patent Mining Platform

PatSight, XtalPi's pharmaceutical patent data mining platform, automates the traditionally manual and time-consuming patent analysis process, reducing the time required **from several days or weeks to just one hour.**

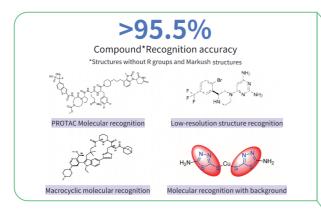


Features and Highlights



Rapid automated identification of structures, names, and activities

- Completes 90% of patent analysis within 1 hour.
- Automatically recognizes chemical structures from images and scanned documents, converting them into digital files.
- Automatically identifies all data associated with specific compounds.



High identification accuracy

- 95% recognition accuracy for compound structure recognition.
- 97% recognition accuracy for associated data.



Patent Data Management and Application

XtalPi provides a range of data management and analysis solutions based on patents, literature, SAR (Structure-Activity Relationship) analysis tools, Al model optimization, and intellectual property space exploration to accelerate drug discovery.



SAR Analysis Big Data Extraction

- Extract both structures and molecular data from patents and literature into CSV file for comprehensive Structure-Activity Relationship (SAR) analysis.
- Streamline SAR processes using MolValley, XtalPi's analysis tool, in conjunction with PatSight.



- Rapidly extract large amounts of structural and molecular charac-
- teristic information.Provide extensive training data for Al model optimization and

development.



Intellectual Property Landscape

 Quickly gain insights into current IP coverage and leverage innovative opportunities through patent data analysis and comparison.

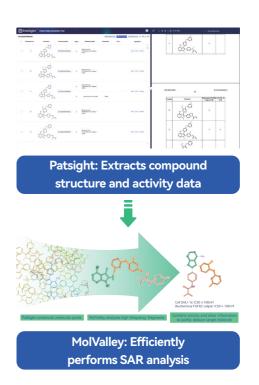
Case Study

1hour 1500 structures and activity data

Using a patent related to FGFR2 (WO2020231990) as an example, **the patent contains structure and activity data for 1,500 molecules,** including a target molecule that has entered the clinical stage.

For a more in-depth Structure-Activity Relationship (SAR) analysis, we uploaded the patent document to PatSight. **Within an hour,** we extracted all compound numbers, structures, assay information, and activity values from the patent's examples.

Using the SAR analysis module of MolValley, we quickly identified **three main fragments.** By combining the activity data, target protein pocket information, and other relevant details, **we rapidly identified several potential SAR models.** This is crucial for the subsequent development of related projects.



Interested in a Free Trial?



Please open the link below in your internet browser or scan the QR code.

Click the "Get Started" button, complete the registration, and you can start using

PatSight immediately.







For more information about PatSight, please contact.



XtalPi Inc.