

New tools in PubPharm, the search engine for pharmacy-specific literature

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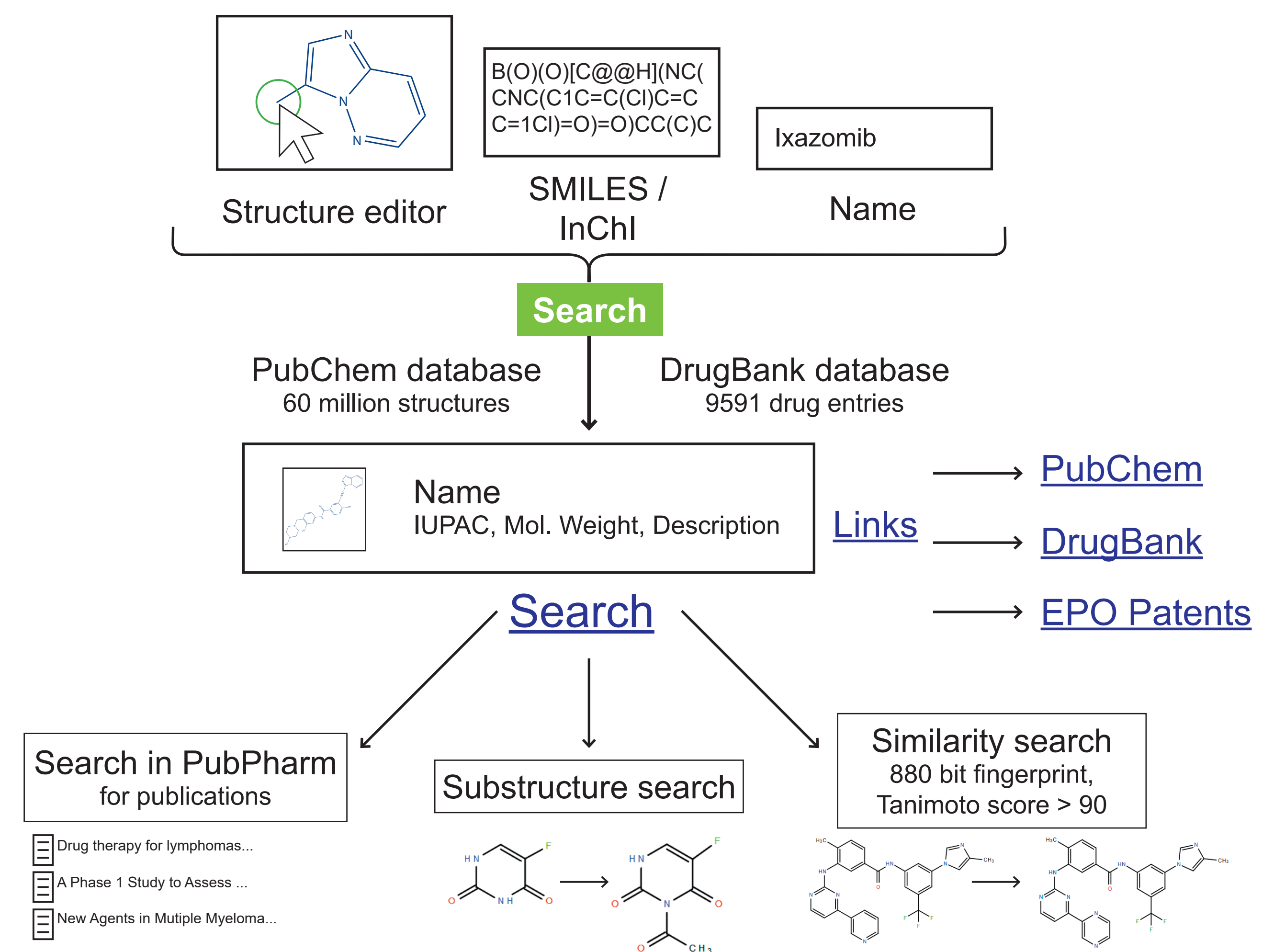
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PubPharm Research Platform

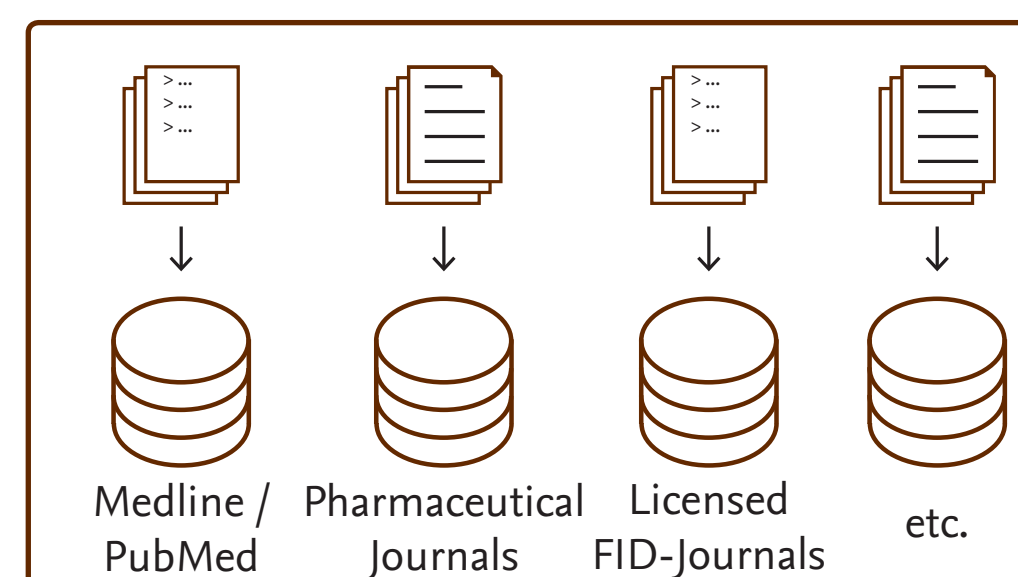
The screenshot shows the PubPharm search interface. At the top, there's a search bar with 'capmatinib' entered. Below it, search results are displayed in a list format. Each result includes a title, author, journal, and a 'Get full text' button. A 'Filter' panel on the right allows users to refine results by format (Articles, E-Articles, etc.) and journal title. A 'Structure Editor and Name Search' window is also visible, showing a chemical structure and its corresponding SMILES string.

Structure Search



- Search engine for pharmacy-specific literature search
- Availability check (personalised based on location)
- Responsive design: Search engine can be used on different devices, e.g. smartphones or desktop computers

- More than 45 Mio. publications
- Medline (PubMed)
- Journal articles, books, E-books and dissertations in the field of pharmacy



Journal Access

- Full text access to more than 50 journals
- New: 46 Campus licences for universities with pharmaceutical institutes
- Supported by DFG-funding



Coming soon ...

Authority Data

The diagram shows the Authority Data workflow. It starts with a search for 'Ponatinib' in a search engine. The results are then processed through a 'Search in authority database' step, which queries 'Medline / MeSH', 'ChEMBL', 'Enzyme DB', 'DrugBank', and 'etc.'. A 'Hit: Authority record' is returned, showing details like 'Other names', 'IUPAC Name', and 'InCHI'. This leads to an 'Expanded inquiry' step, which searches in 'meta- and full text database' for 'Ponatinib OR Iclusig OR ...'. The final step is a 'List of results' showing relevant literature entries.

Innovative Search Tools

Semantic Facettation in Pharmaceutical Collections using Deep Learning for Active Substance Contextualization

- Aim: Prediction of possible (active) substance effects
- Hypothesis: Similar effect = Similar (deep learned) context
- Provides: Alternative access paths to literature beyond mere keyword or bibliographic search

Process Overview

