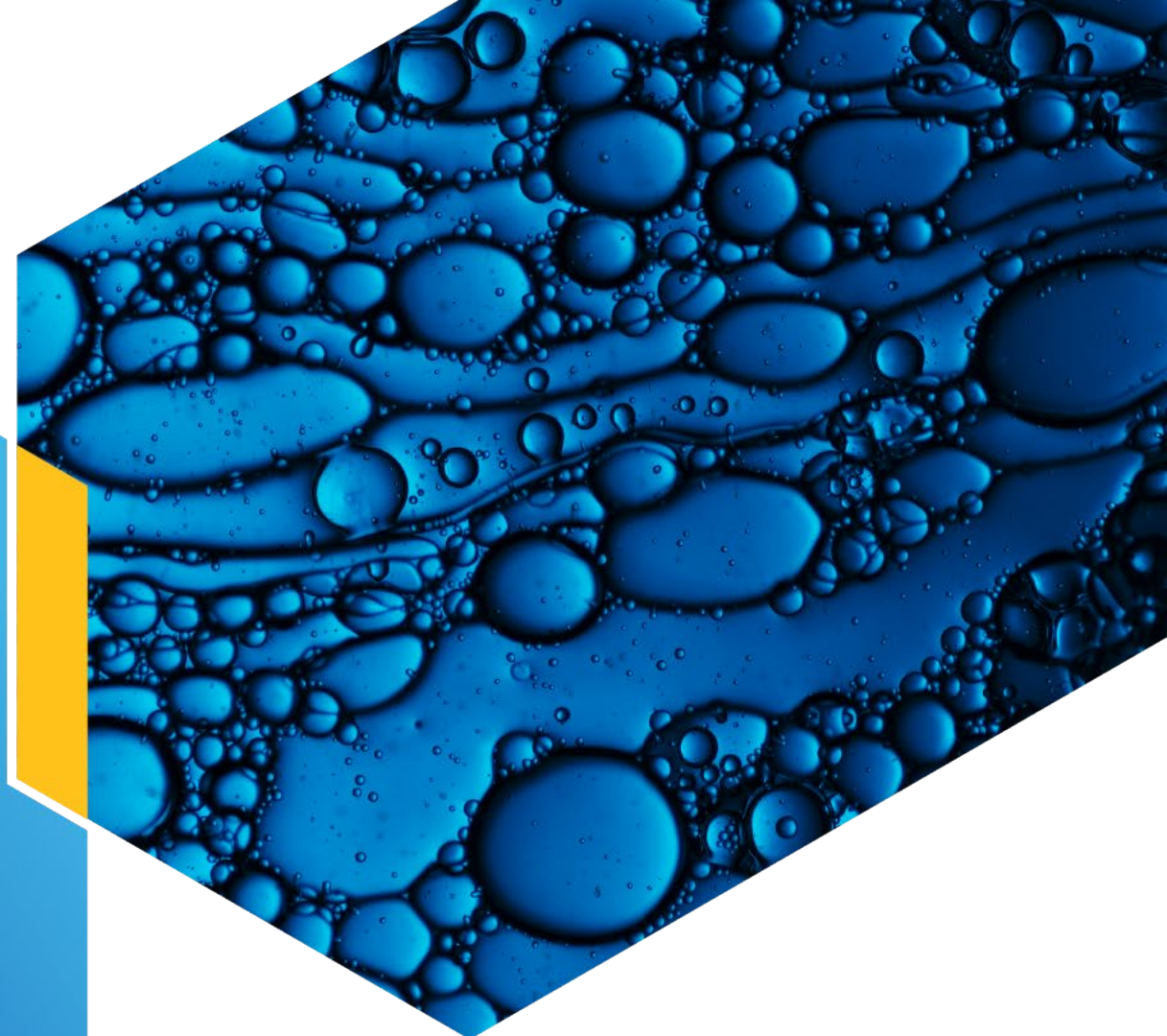


CAS Scientific Patent Explorer
**Overview &
Live Demo**



Agenda

Overview & Live Demo

- The niche of CAS Scientific Patent Explorer
- Live Demo



CAS Intellectual Property Solutions



- CAS Content
 - Indexed text
 - Structure
 - Markush
 - Reaction
- Chemscape
- Non-patent literature

- CAS Content
 - Indexed text (display only)
 - Structure
 - Markush (default settings)
 - Reaction (display only)
- Chemscape & Further Visualization
- Searchable Full-text
- Expanded coverage
- More filters
- Legal Status

- CAS Content
 - Indexed text
 - Structure
 - Advanced Markush
 - Reaction
- Chemscape
- Expanded databases
- Precise search tools

CAS Scientific Patent Explorer complements STNext

- **STNext** - indexed content for patents and non-patent literature + precision searching
 - CAplus covers 64 patent authorities
 - REGISTRY covers substances appearing in patent claims and examples
 - MARPAT covers Markush structures from patents
 - CASREACT covers reactions from patents
 - Additional databases
- **CAS Scientific Patent Explorer** - expanded coverage and filtering
 - Covers 115 patent authorities and full-text including claims from 52 offices
 - Provides filters for patent types, legal status, patent classification
 - Includes visualization of search results

Patent coverage in CAplus

- CAS covers 64 patent issuing authorities
- Inclusion of patents depends on
 - International Patent Classification (IPC)
 - Country
 - Patent Kind
 - Publication dates
- A summary of patent coverage is available under support at cas.org:
<https://www.cas.org/support/documentation/references/patentcoverage>

Chemical Content

CAS human-indexed substances available in
CAS Scientific Patent Explorer

- Combine full text patent searches with human-curated chemical indexing of substances
- Reference details show substances indexed, as well as Controlled Terms, Reactions and Formulations

Key takeaways

- You can use the CAS Scientific Patent Explorer to
 - Search patent full texts from additional jurisdictions
 - Search patents outside the chemical area
 - Combine substance searching based on CAS manual indexing with patent full-text searching
- Your R&D departments can use the CAS Scientific Patent Explorer to analyze new research areas more closely based on
 - Patent legal status
 - Visualization tools based on structures and patents



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