UNLOCK R&D PRODUCTIVITY

CAS.ORG

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A DIVISION OF THE
AMERICAN CHEMICAL SOCIETY

COST OF MISSING SCIENTIFIC INFORMATION IS HIGH

>$1B Lost Market Leadership
MARKET SHARE LAG: **>6%** [1]

>$31M R&D Spend Inefficiency
TIME LOSS: **>3 MOS** [2]

>$4B Reputational Risk
LOSS OF EXCLUSIVITY: **>6 YRS** [3]

POORLY MANAGED SCIENTIFIC INFORMATION AFFECTS R&D EFFICIENCY

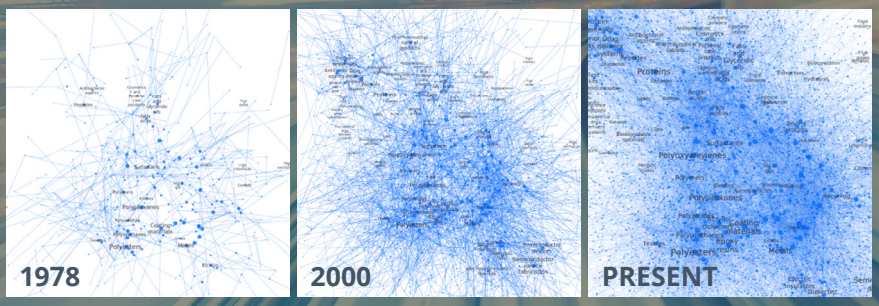
18% Time Spent
IN SEARCH VS. RESEARCH [4]

$15K–$20K
COST PER YEAR, PER SCIENTIST [5]

R&D cycles are too long and costly

COST TO MANAGE SCIENTIFIC INFORMATION CONTINUES TO ESCALATE

Scientific Information Trends [6]



- **Volume**
- **Complexity**
- **Interconnectedness**

YET, INVESTMENT IN EXTERNAL SCIENTIFIC INFORMATION SOURCES REMAINS LOW

CAS HAS INVESTED > $1B IN SCIENTIFIC INFORMATION SOLUTIONS OVER THE LAST 5 YEARS. INTRODUCING A NEW CALIBER IN CHEMICAL INTELLIGENCE...

INTRODUCING A NEW CALIBER OF CHEMICAL INTELLIGENCE

SciFinder^{n}

A **CAS** SOLUTION

NOW WITH A **NEW**

SYNTHESIS PLANNER

63%
of researchers say SciFinder^{n} allows them to work more quickly[10]

63%
of researchers say SciFinder^{n} allows them to be more innovative[10]

62%
of researchers say SciFinder^{n} allows them to be more confident[10]

The blueprint of chemical intelligence

DIRECT ACCESS to the unmatched CAS content collection, patent documents and step-by-step synthetic procedures and methods

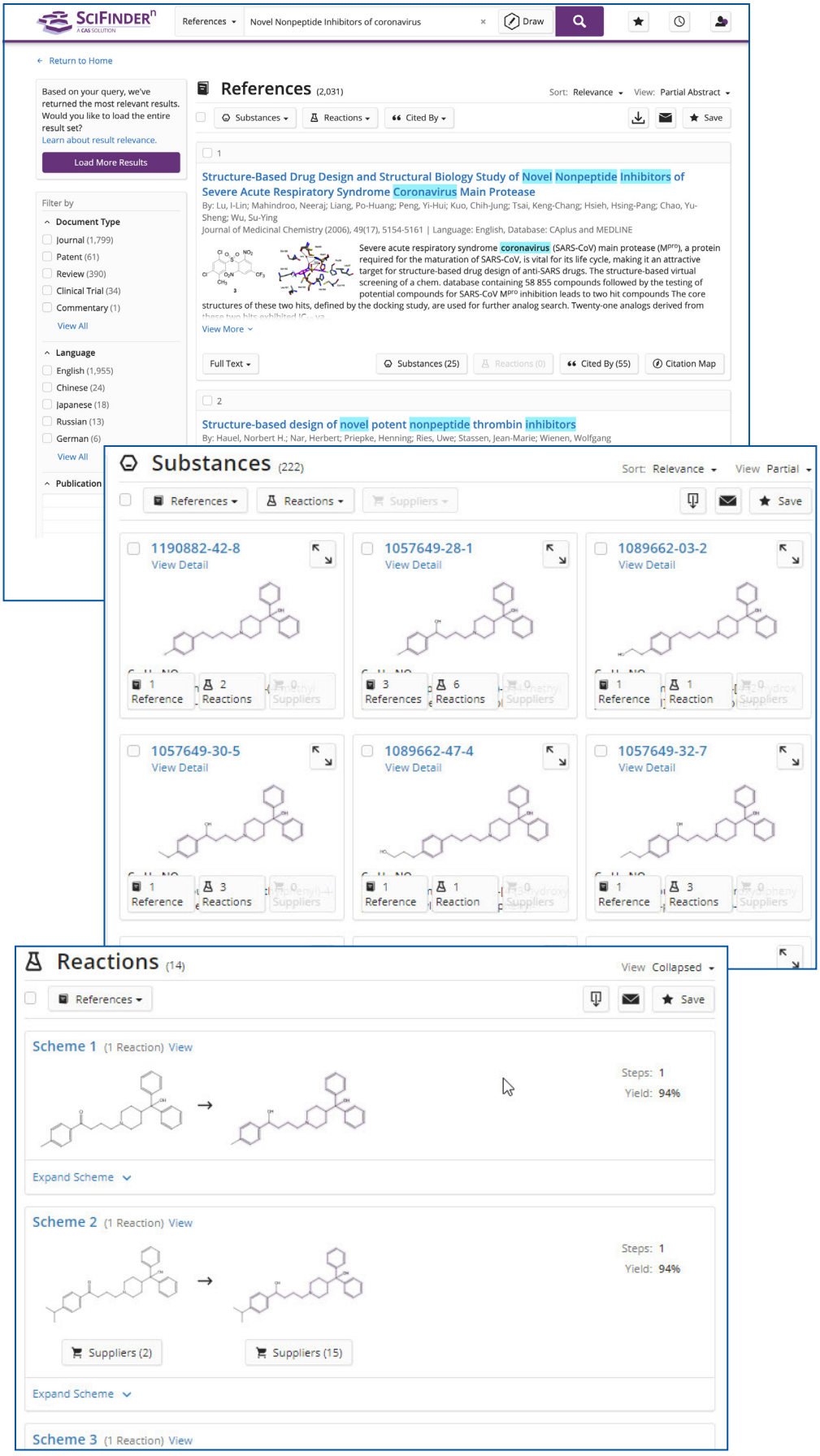
The most advanced Chemical **RELEVANCE SEARCH ENGINE** shows you where to start and what to focus on

Platform for machine learning & AI, **COMPUTER-AIDED SYNTHETIC DESIGN**, patent search and workflow enhancement

Insights

SciFinder^{n} halves the time taken to perform literature reviews[10]

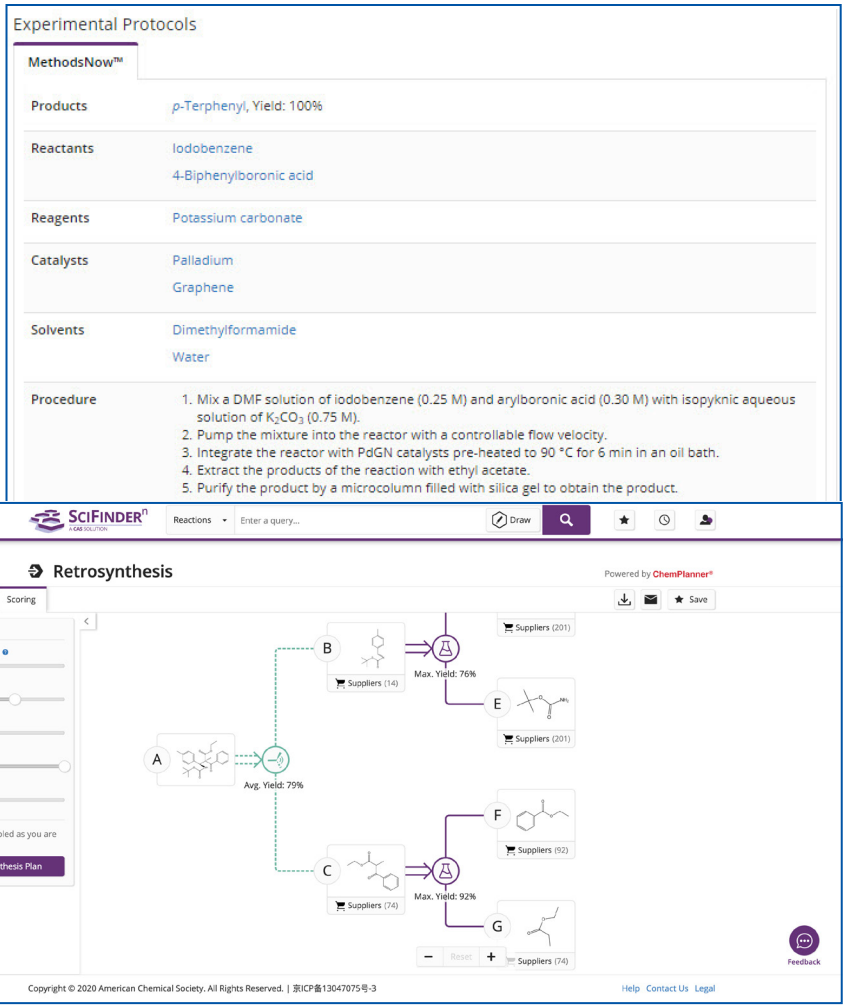
In today's competitive landscape, your research team needs to quickly gain knowledge and insights from relevant discoveries. You can't afford to spend hours sifting through extraneous content in patents and journals. That's why we designed SciFinder^{n} with the most chemistry-aware relevance engine in the industry. It doesn't just search faster, it helps you search smarter, anticipates your information needs and accelerates your work.



Synthetic Planning

SciFinder^n halves the time required for synthetic planning[10]

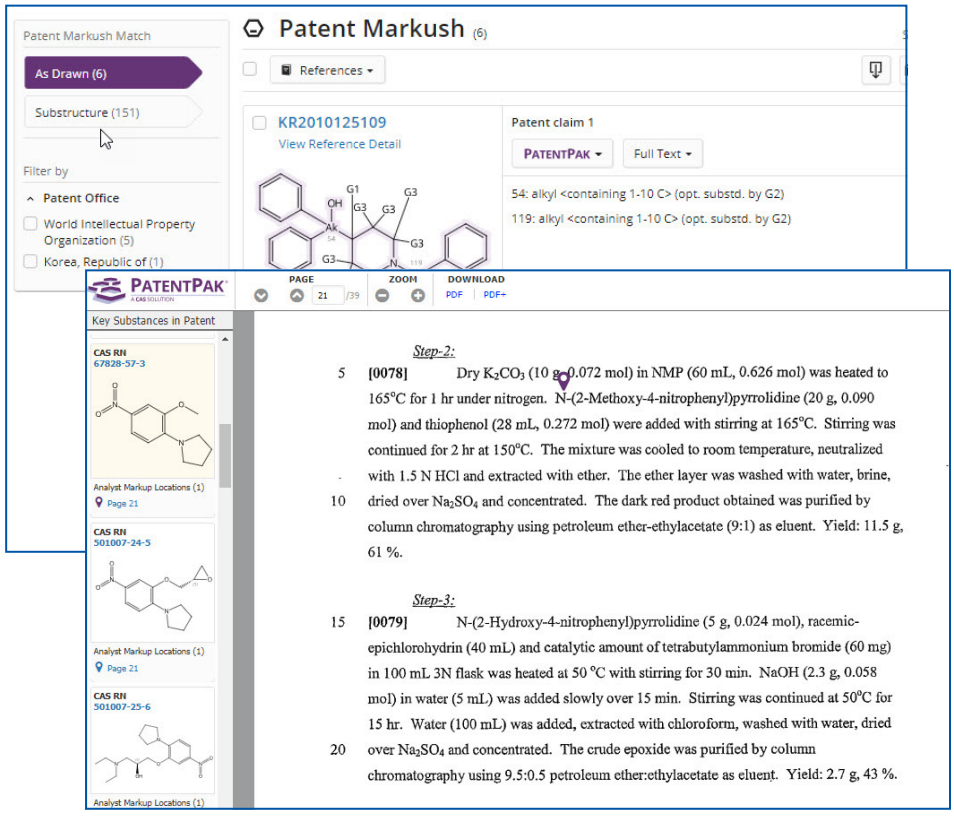
Being successful in the lab requires a great synthetic plan. Your chemists are juggling many variables especially when devising routes to novel compounds with no literature based precedent. For both known and unknown molecules, SciFinder^n will perform a full retrosynthetic analysis fueled by the renowned CAS collection of reactions. The best potential synthetic routes are determined based on steps from both the literature and predicted steps generated by our synthetic chemistry engine. The algorithm can be customized to fit the specific requirements of the synthesis and the plan is easily navigated to evaluate alternative routes and also offers quick access to information on material suppliers, step-by-step methods curated by experts, product yields, and more.



IP Strategy

SciFinder^n reduces the time taken to analyze the IP landscape by nearly 10%[10]

In order to successfully manage your research portfolio and bring your innovation to market, it's essential to first understand the technology landscape. SciFinder^n can help answer a host of IP-related questions such as: Where are the opportunities for innovation? Are there infringement risks? Who else is working in this space? SciFinder^n gives you access to industry leading capabilities like patent Markush searching and content such as chemically annotated patents, so you can stay on top of the technological landscape.



Sources

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INDUSTRY LEADERS ACROSS ORGANIZATIONS RELY ON CAS SOLUTIONS

Pharma
49 of the top 50 [11]

Biotech
24 of the top 25 [12]

Chemical
46 of the top 50 [13]

Government
10 of the top 10 global patent offices [14]

Academic
100 of the top 100 [15]

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