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2015

CAS representative / Shinwon datanet
Mina Kim

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Reference Searching

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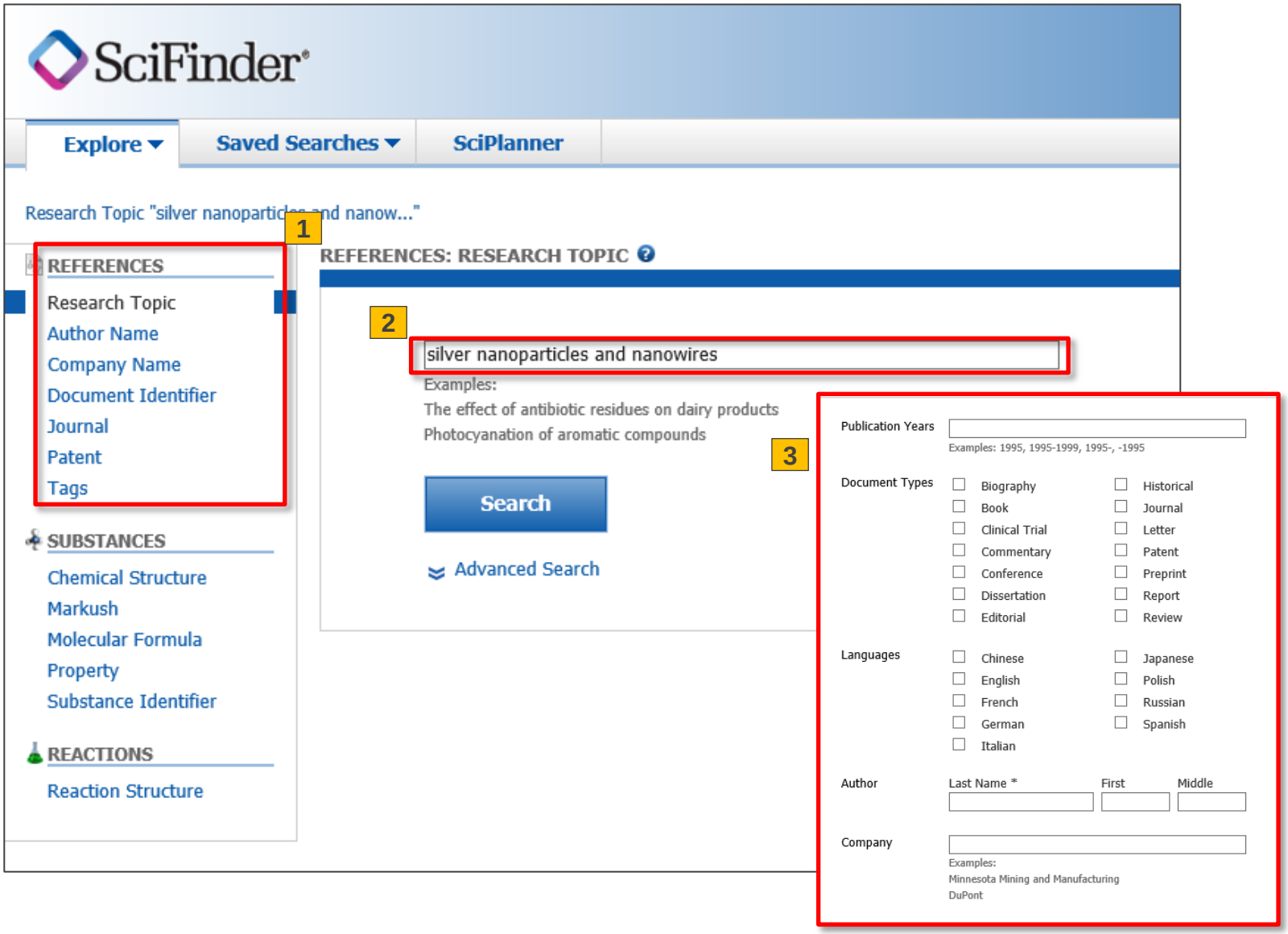
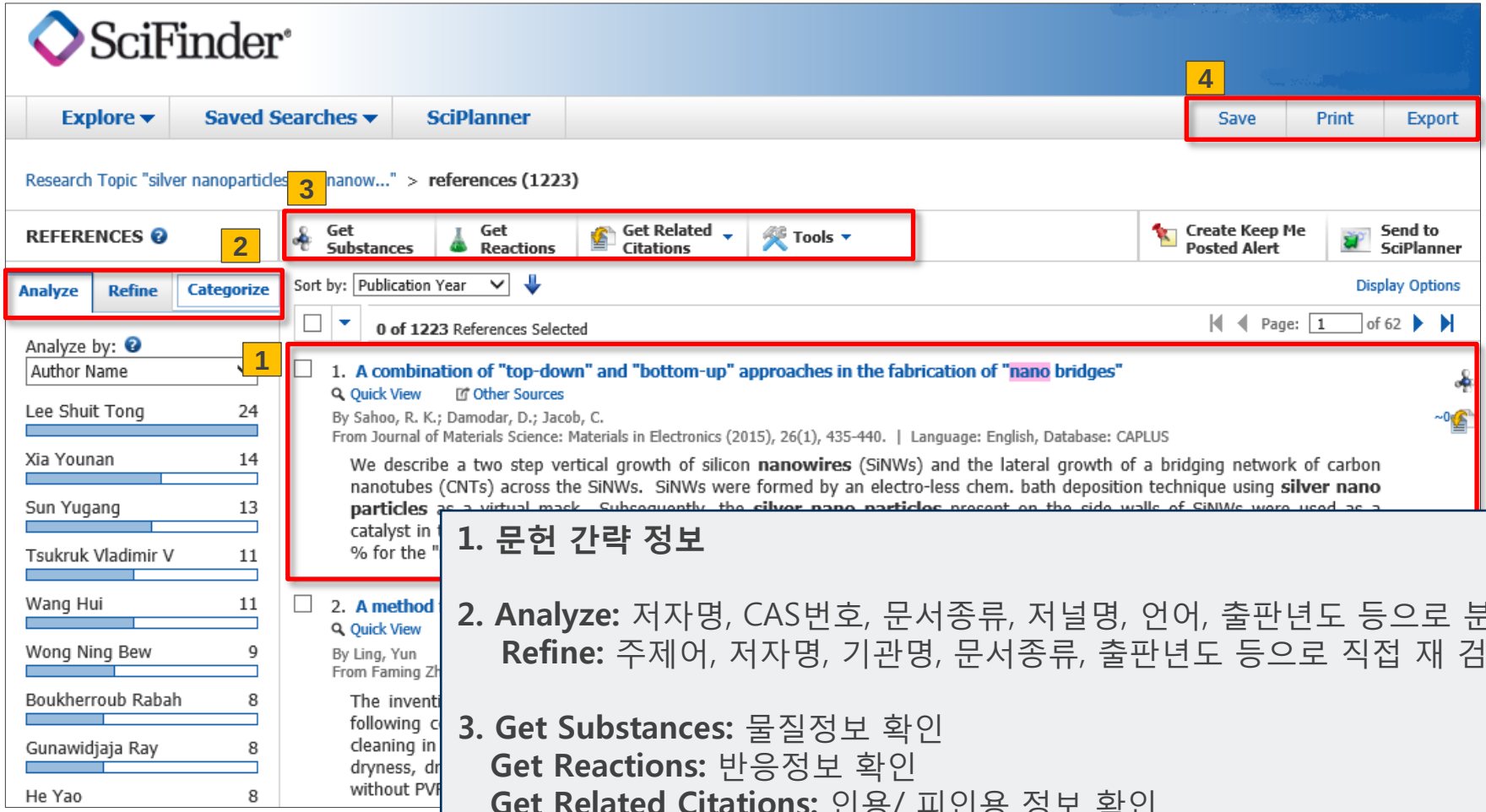
문헌 검색 첫 화면



문헌 검색결과 화면



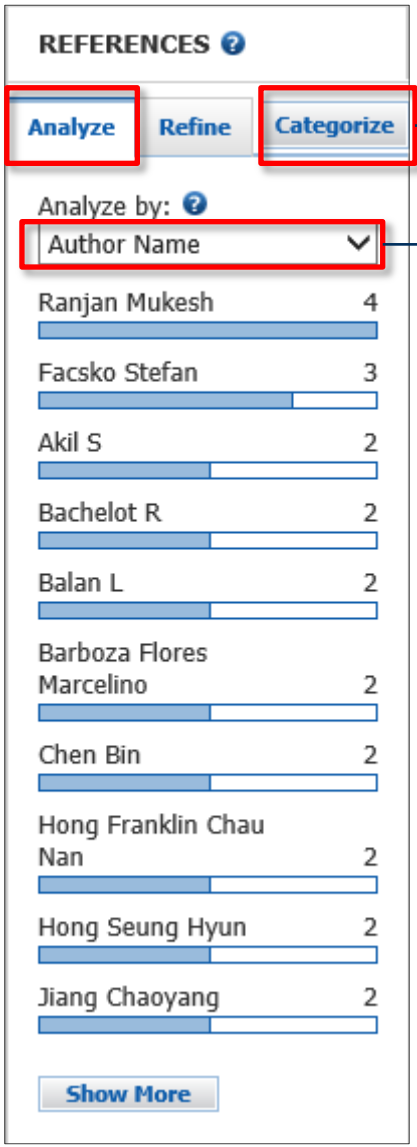
1. 문헌 간략 정보

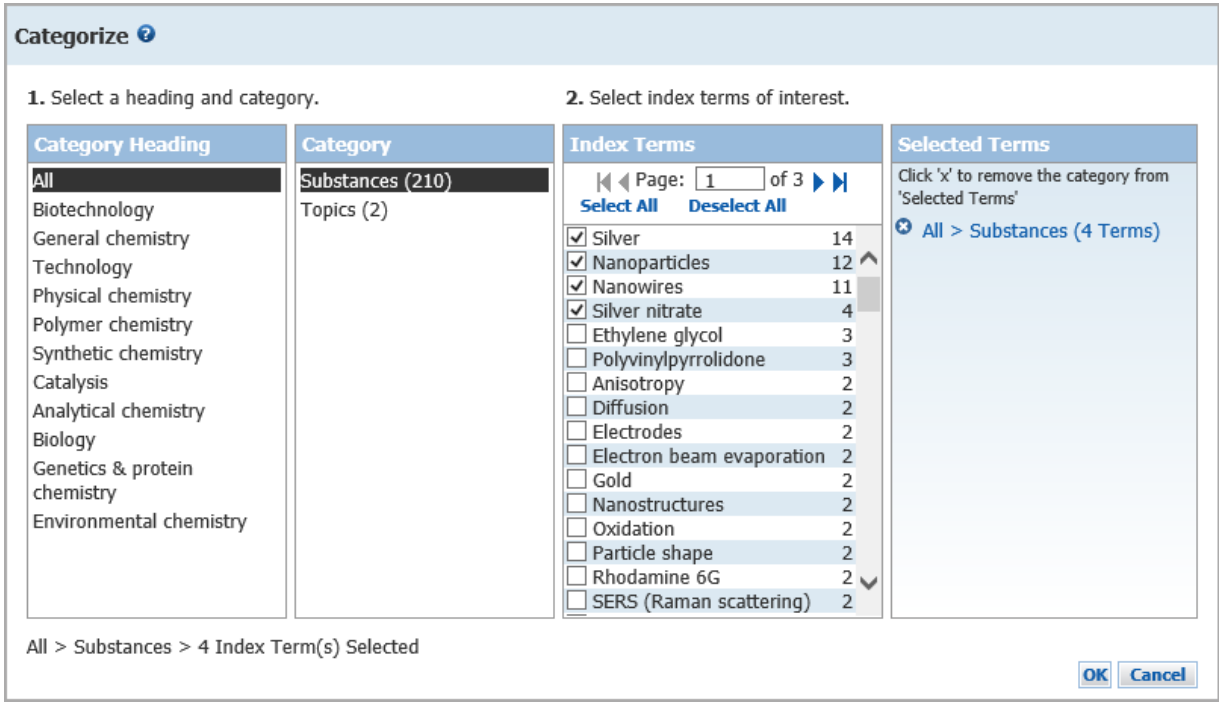
2. Analyze: 저자명, CAS번호, 문서종류, 저널명, 언어, 출판년도 등으로 분류화
Refine: 주제어, 저자명, 기관명, 문서종류, 출판년도 등으로 직접 재 검색

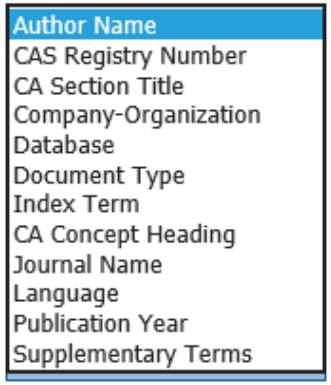
3. Get Substances: 물질정보 확인
Get Reactions: 반응정보 확인
Get Related Citations: 인용/ 피인용 정보 확인
Get Full Text: 원문 링크
Tools: 중복결과 삭제/ 검색결과 조합/ 태그입력

4. Save, Print, Export: 검색결과 저장, 인쇄, 다운로드

검색 결과 분석



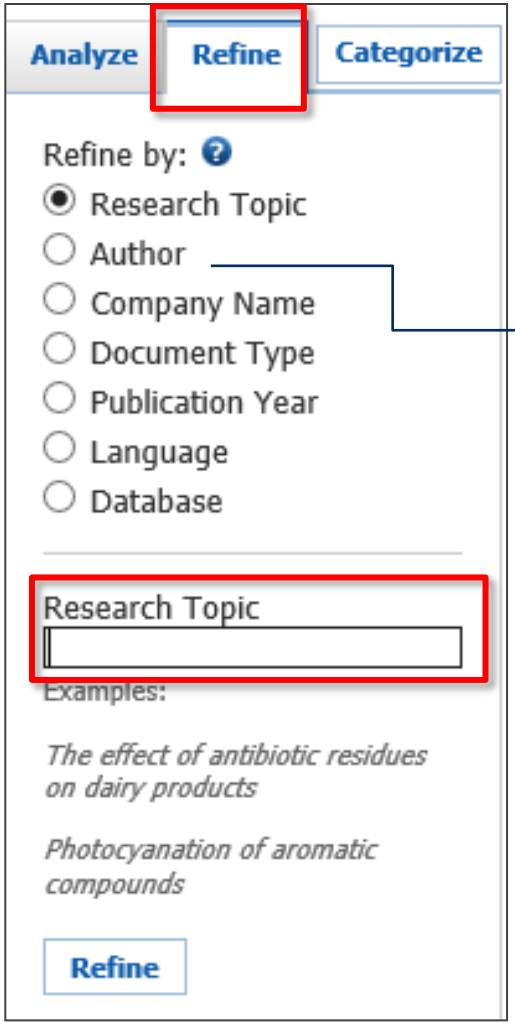




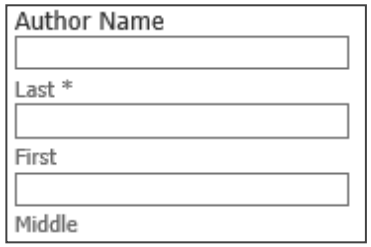
1. **Categorize:** 관심분야를 제한하여 결과 추출

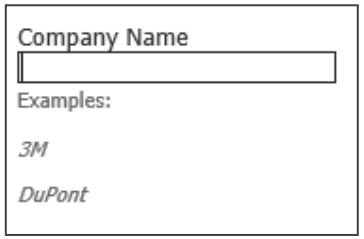
2. **Analyze:** 검색결과 분류
(저자명, 색인, 문서종류, 언어, 출판연도 별)

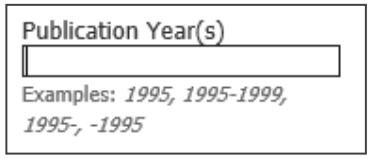
결과 내 재검색

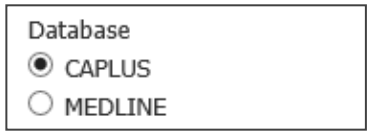


1. **Refine:** 결과 내 재검색
   (주제어, 저자명, 기관명, 문서종류, 출판연도, 언어)

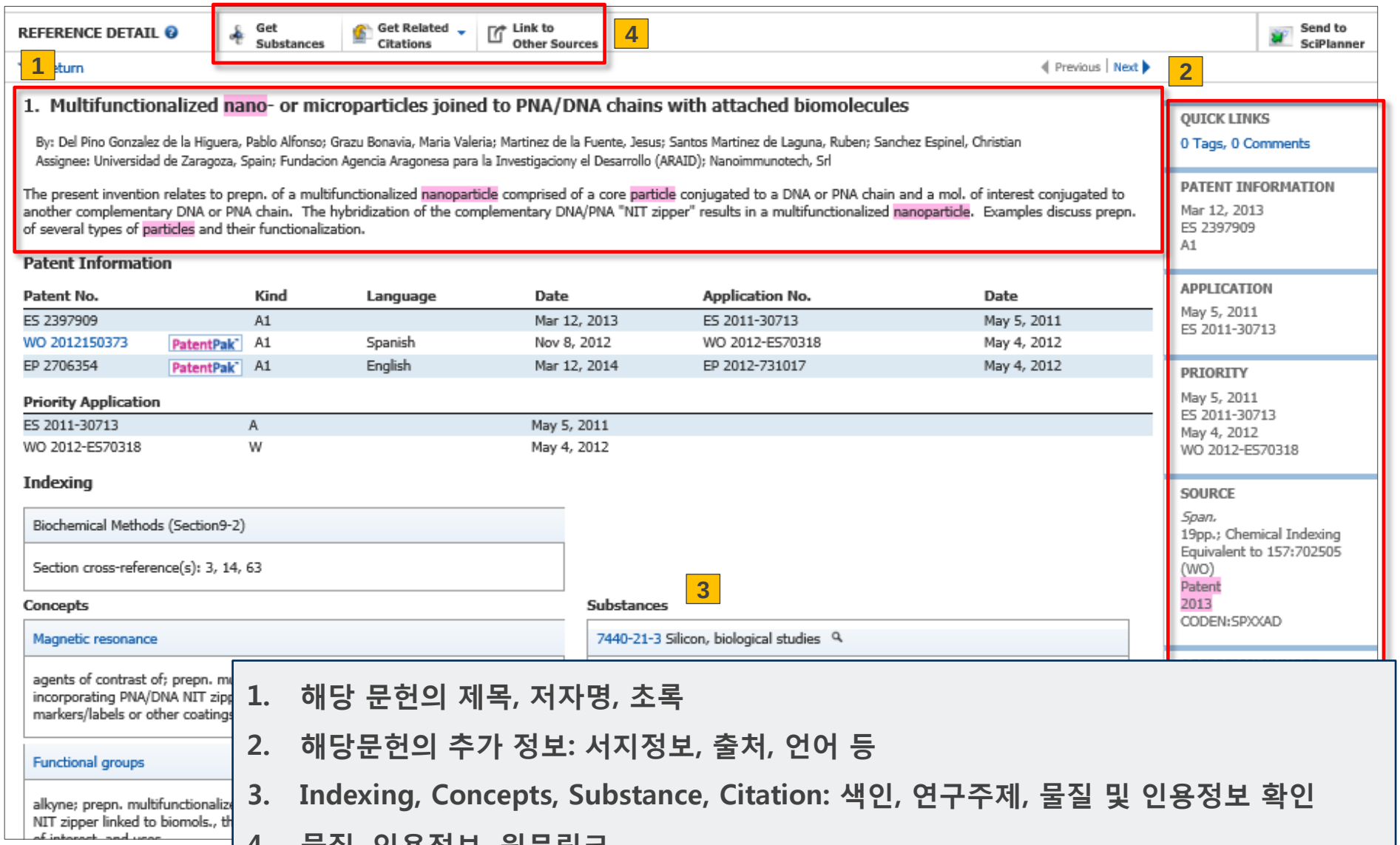






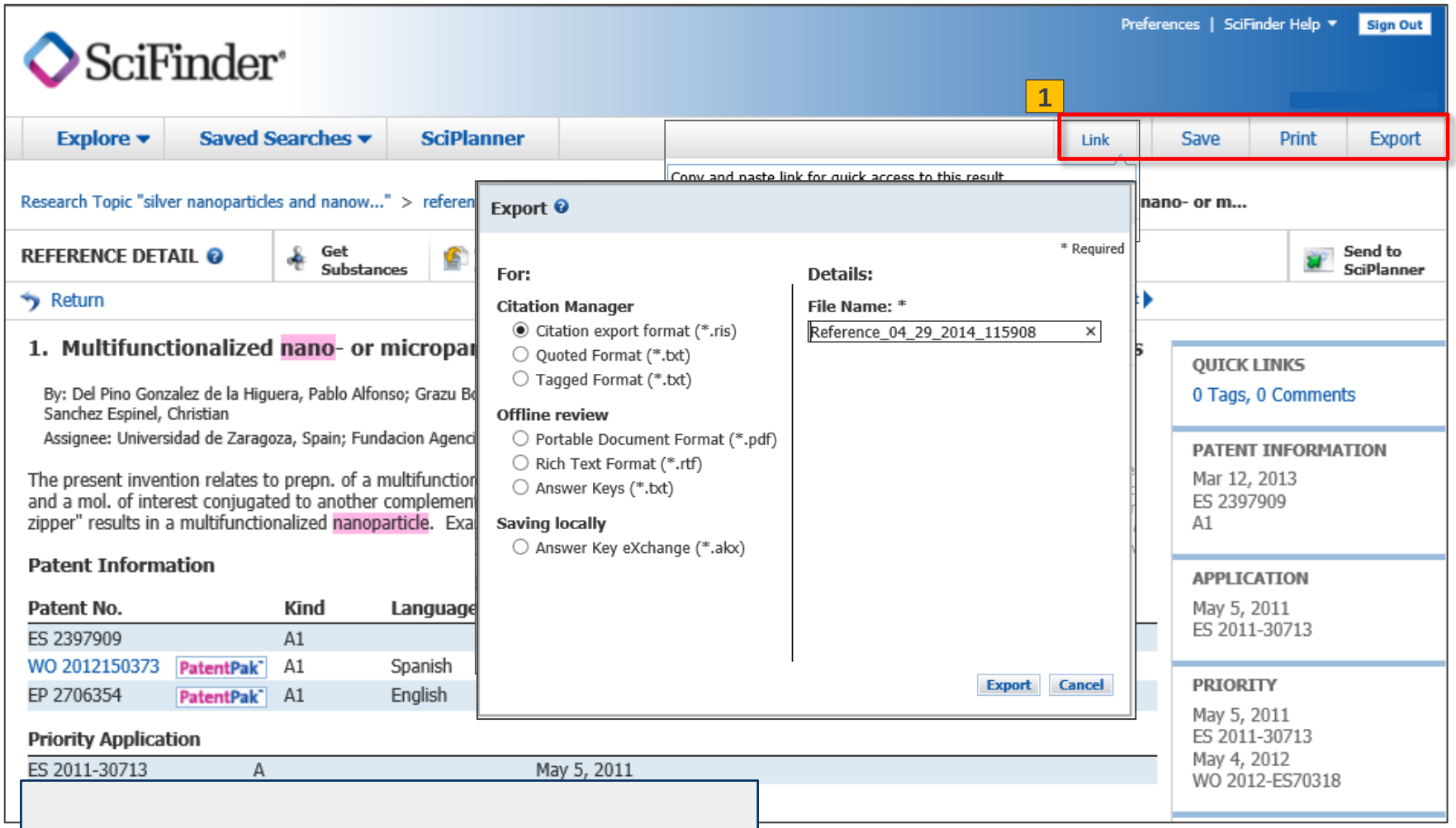


상세정보



1. 해당 문헌의 제목, 저자명, 초록
2. 해당문헌의 추가 정보: 서지정보, 출처, 언어 등
3. Indexing, Concepts, Substance, Citation: 색인, 연구주제, 물질 및 인용정보 확인
4. 물질, 인용정보, 원문링크

Link, Save, print or export



1. 해당화면 링크생성, 저장, 인쇄, 다운로드

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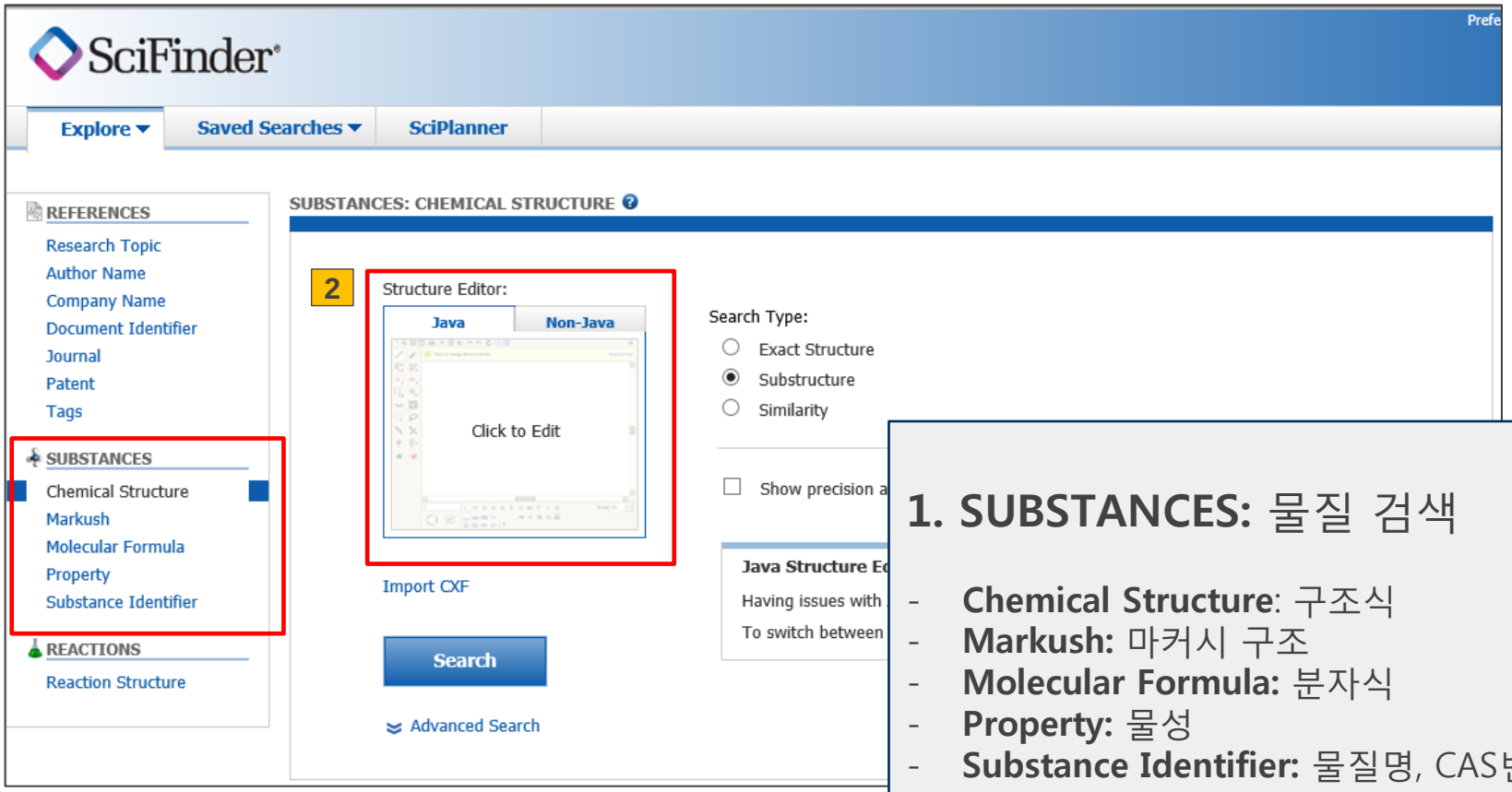
물질 검색

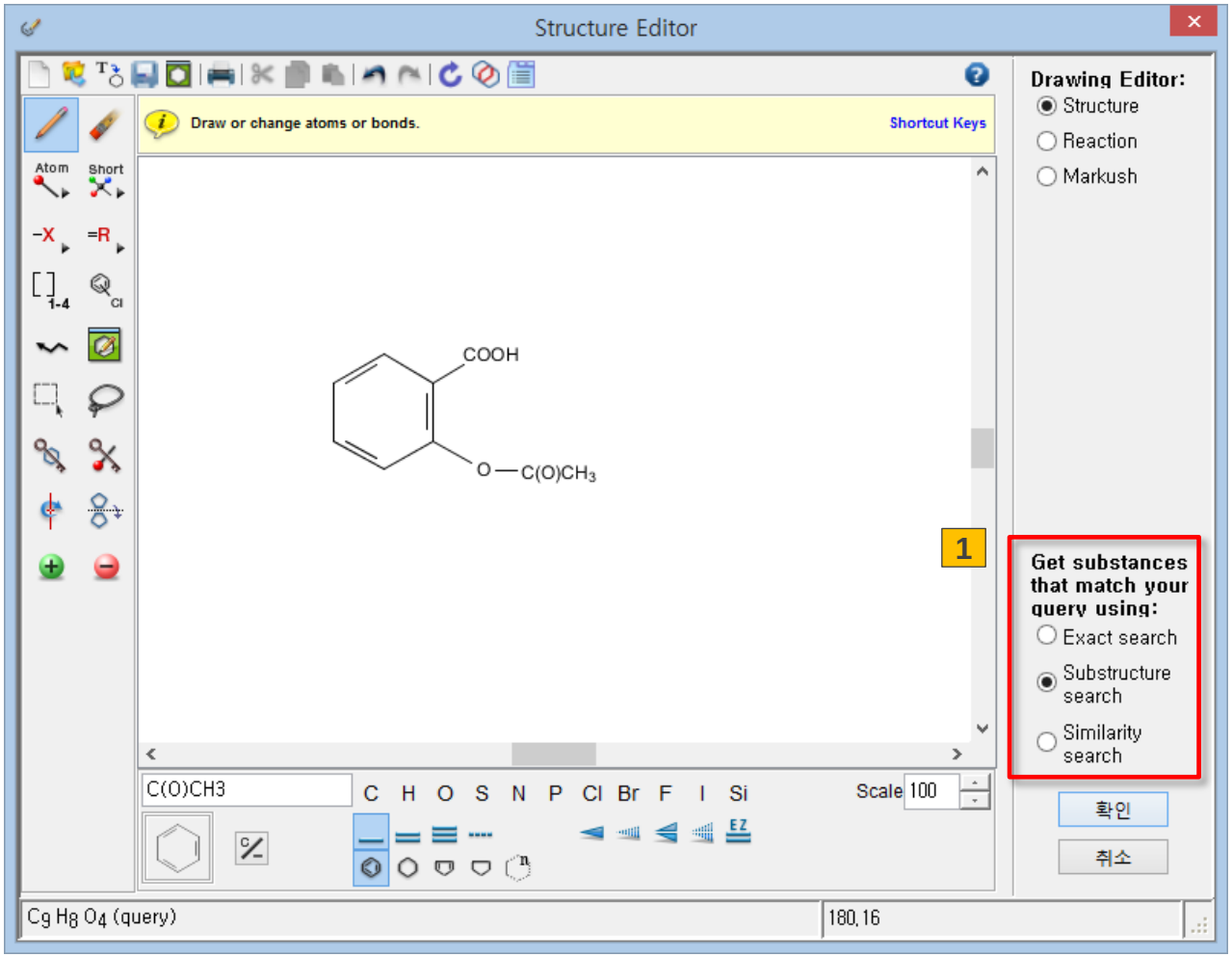


1. SUBSTANCES: 물질 검색

- **Chemical Structure**: 구조식
- **Markush:** 마커시 구조
- **Molecular Formula:** 분자식
- **Property:** 물성
- **Substance Identifier:** 물질명, CAS번호

2. Structure Editor: 구조식 tool

구조식 검색: Structure Editor



1. 검색 옵션

- **Exact search:** 똑같은 구조
- **Substructure search:** 하부 구조
- **Similarity search:** 유사 구조

물질 상세 정보

Substance Identifier "aspirin " > substances (1) > **50-78-2**

SUBSTANCE DETAIL | Get References | Get Reactions | Get Commercial Sources | Send to SciPlanner

1

Return

CAS Registry Number 50-78-2

~36,068 ~163

$C_9 H_8 O_4$

Benzoic acid, 2-(acetyloxy)-

Molecular Weight
180.16

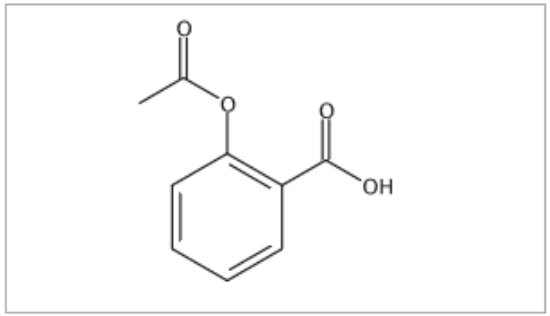
pKa (Predicted)
Value: 3.48±0.10 | Condition: Most Acidic Temp: 25 °C

Melting Point (Experimental)
Value: 135 °C

Boiling Point (Experimental)
Value: 197-200 °C | Condition: Press: 7 Torr

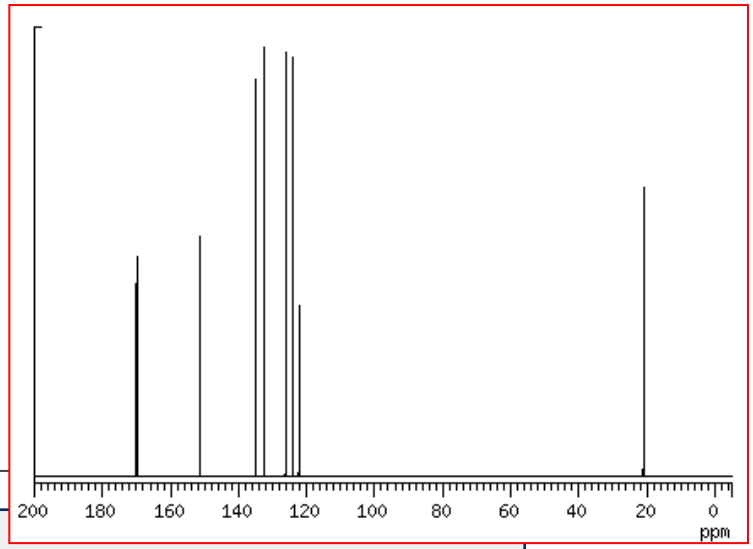
Density (Experimental)
Value: 1.40 g/cm3

Other Names
Rhodine (7CI)
Salicylic acid acetate (8CI)
2-(Acetyloxy)benzoic acid
2-Acetoxybenzoic acid
2-Carboxyphenyl acetate
View more...



1. **Get References:** 문헌 정보
2. **Get Reactions:** 반응 정보
3. **Get Commercial Sources:** 공급업체 정보 보기
4. **Send to SciPlanner:** SciPlanner 로 보내기

물질 상세 정보



- EXPERIMENTAL PROPERTIES
- EXPERIMENTAL SPECTRA
- PREDICTED PROPERTIES
- PREDICTED SPECTRA
- REGULATORY INFORMATION
- BIOACTIVITY INDICATORS
- TARGET INDICATORS
- CAS REFERENCE ROLES
- ADDITIONAL DETAILS

1. Experimental Properties
2. Experimental Spectra
3. Predicted Properties
4. Predicted Spectra
5. Regulatory Information
6. Bioactivity Indicators
7. Target Indicators
8. CAS Reference Roles
9. Additional Details

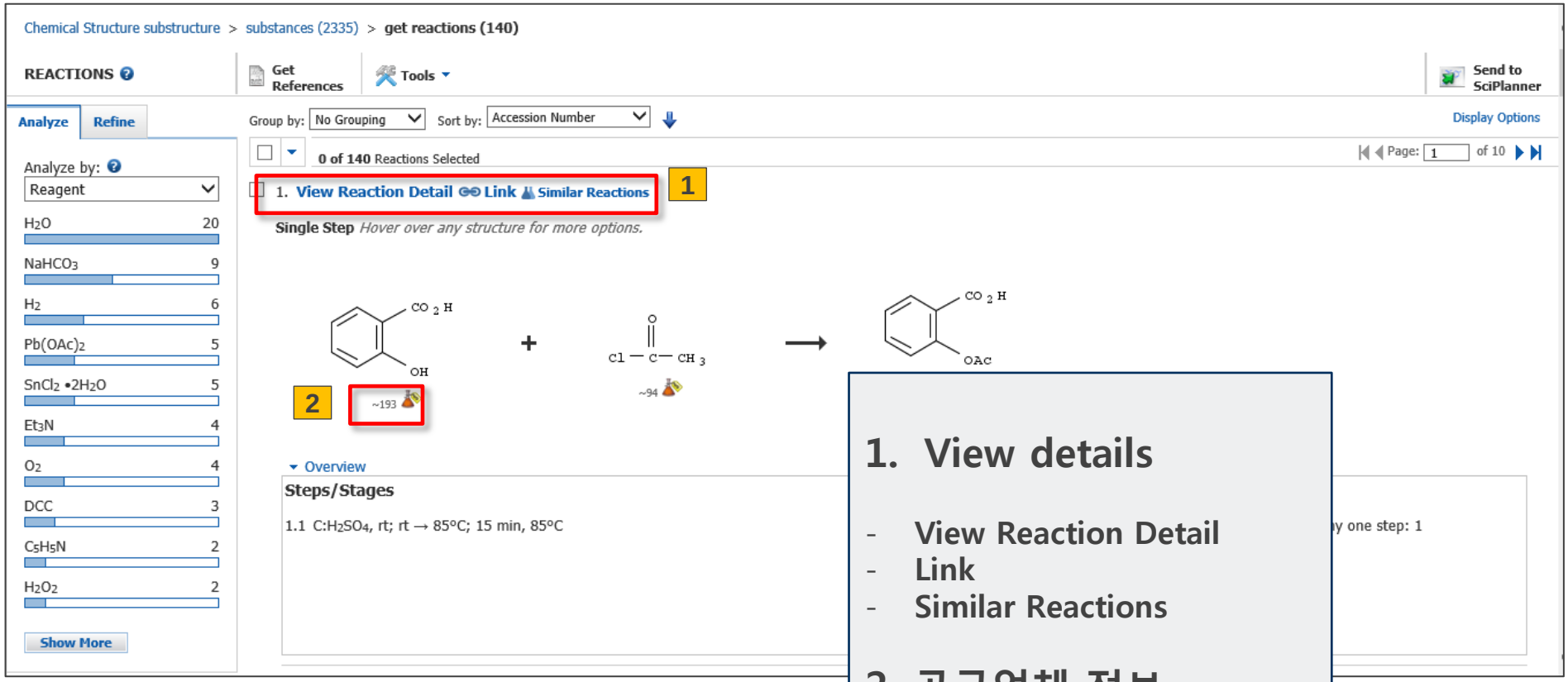
2 → 1,2. 실측치

3 → 3,4. 예측치

5. 규제정보

6,7. 생화학 정보

반응식 검색 결과



1. View details
   - View Reaction Detail
   - Link
   - Similar Reactions
2. 공급업체 정보

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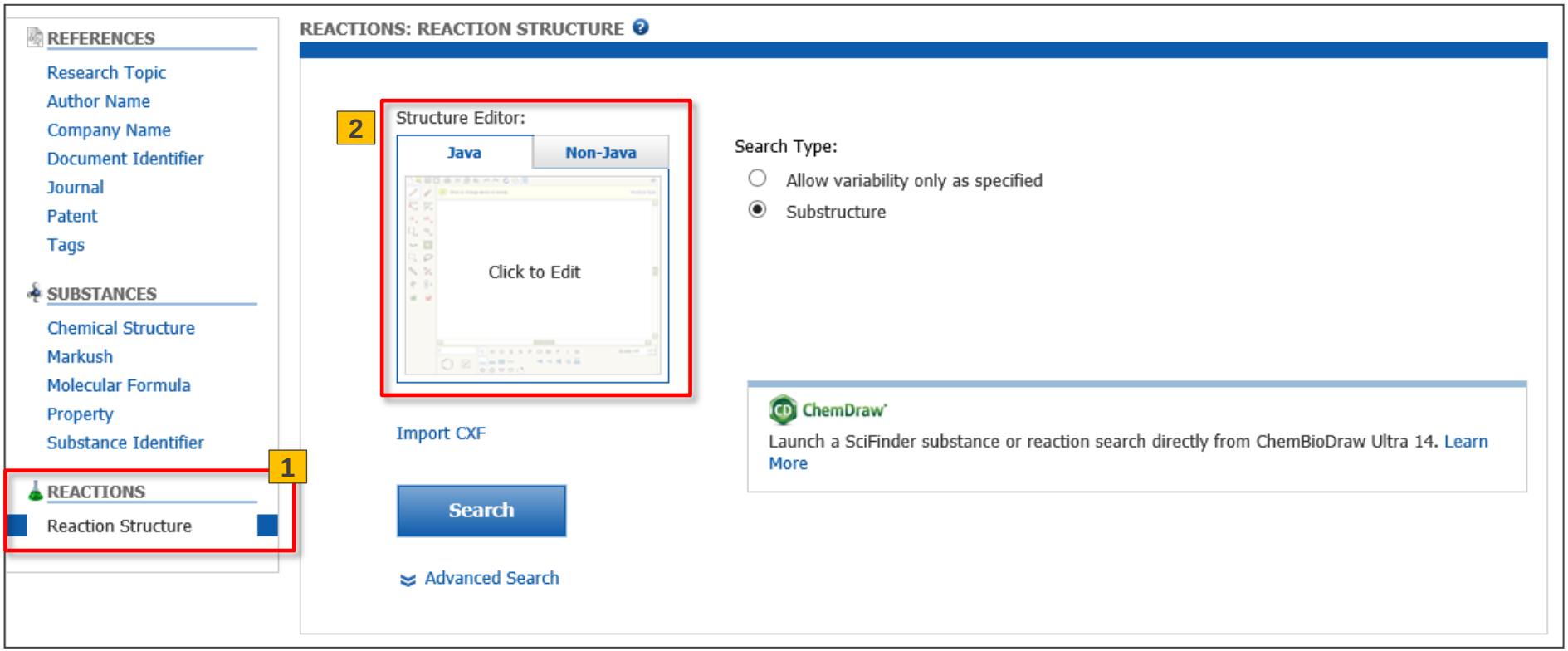
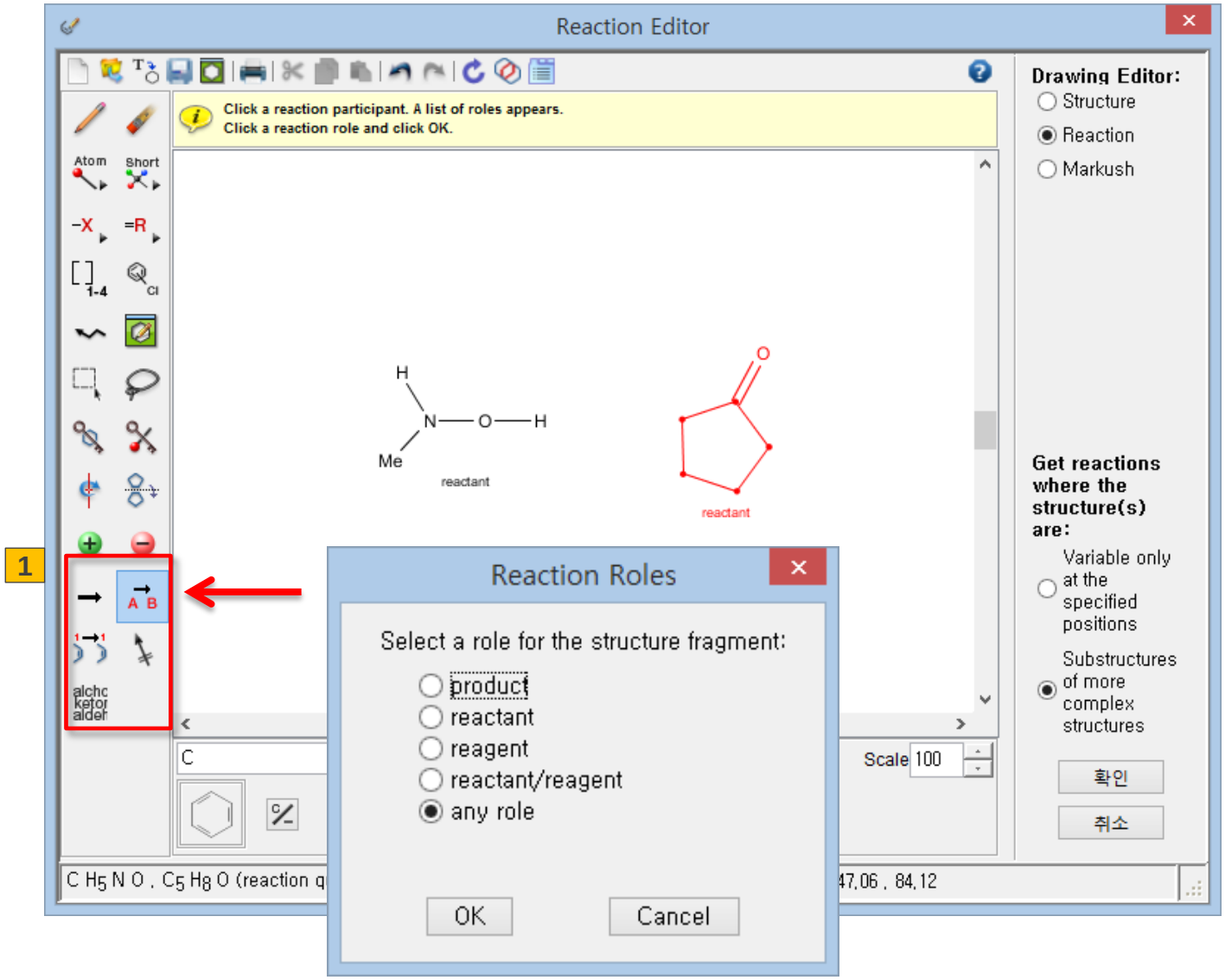
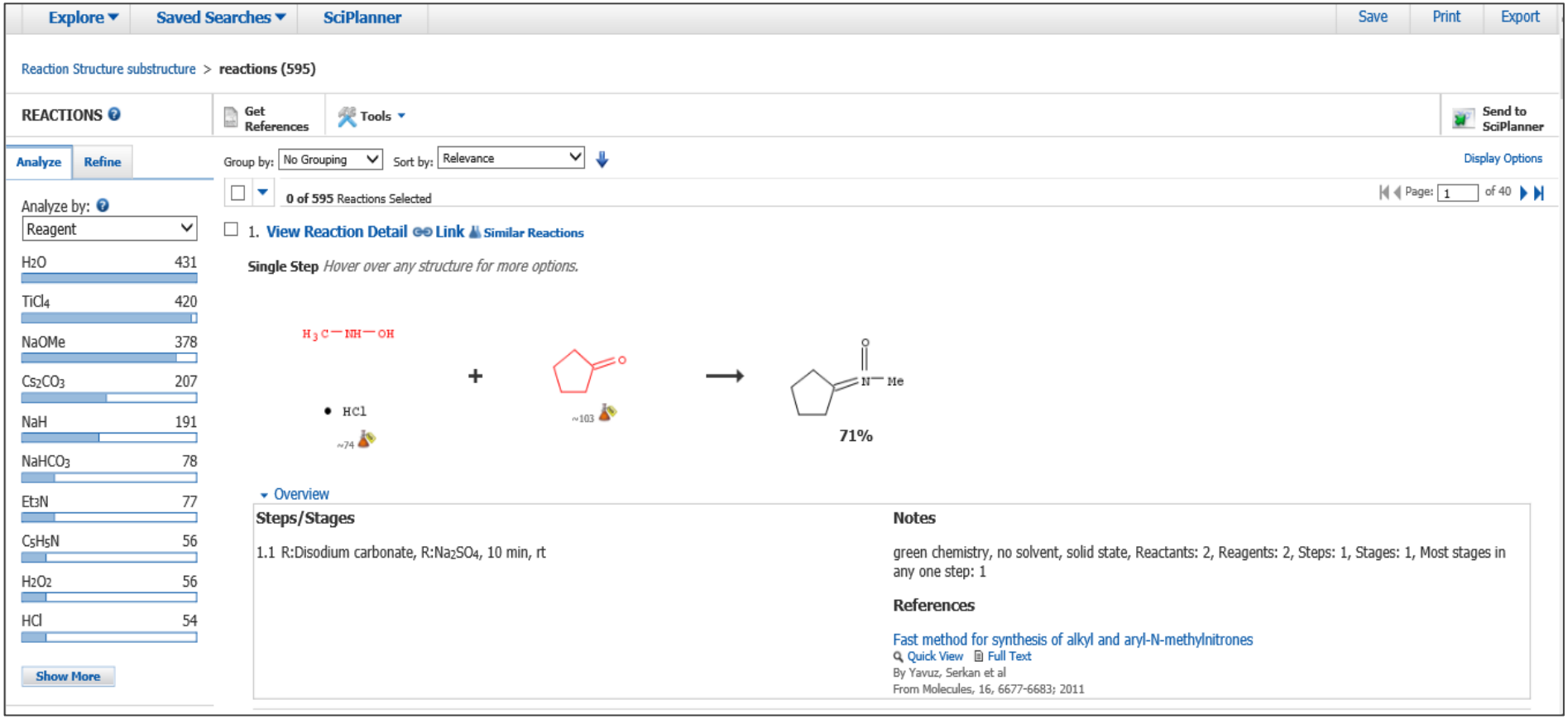
반응식 검색



반응식 검색: Reaction Editor



반응식 검색 결과



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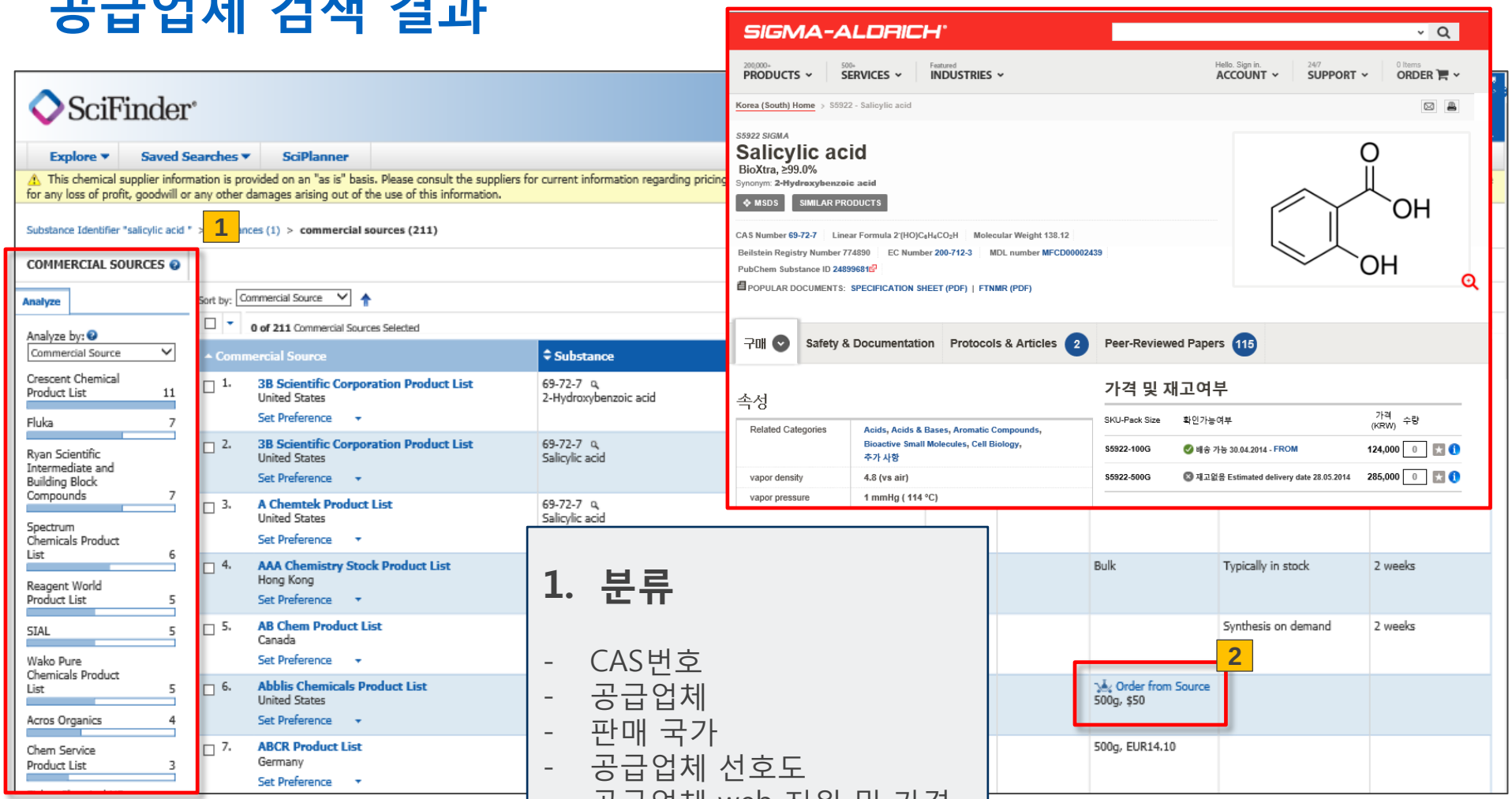
Other functions

공급업체 검색 결과

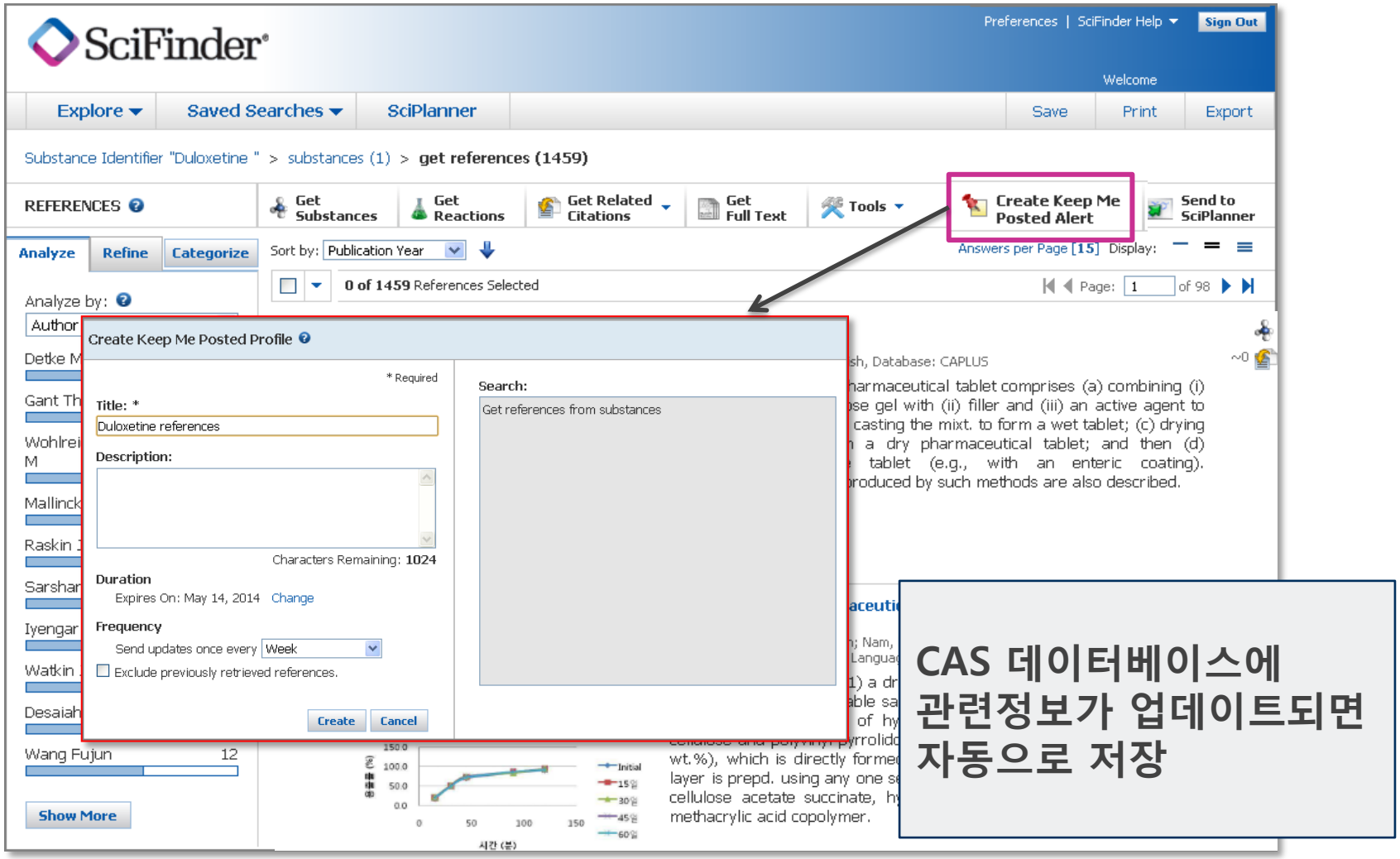


1. 분류

- CAS번호
- 공급업체
- 판매 국가
- 공급업체 선호도
- 공급업체 web 지원 및 가격
-

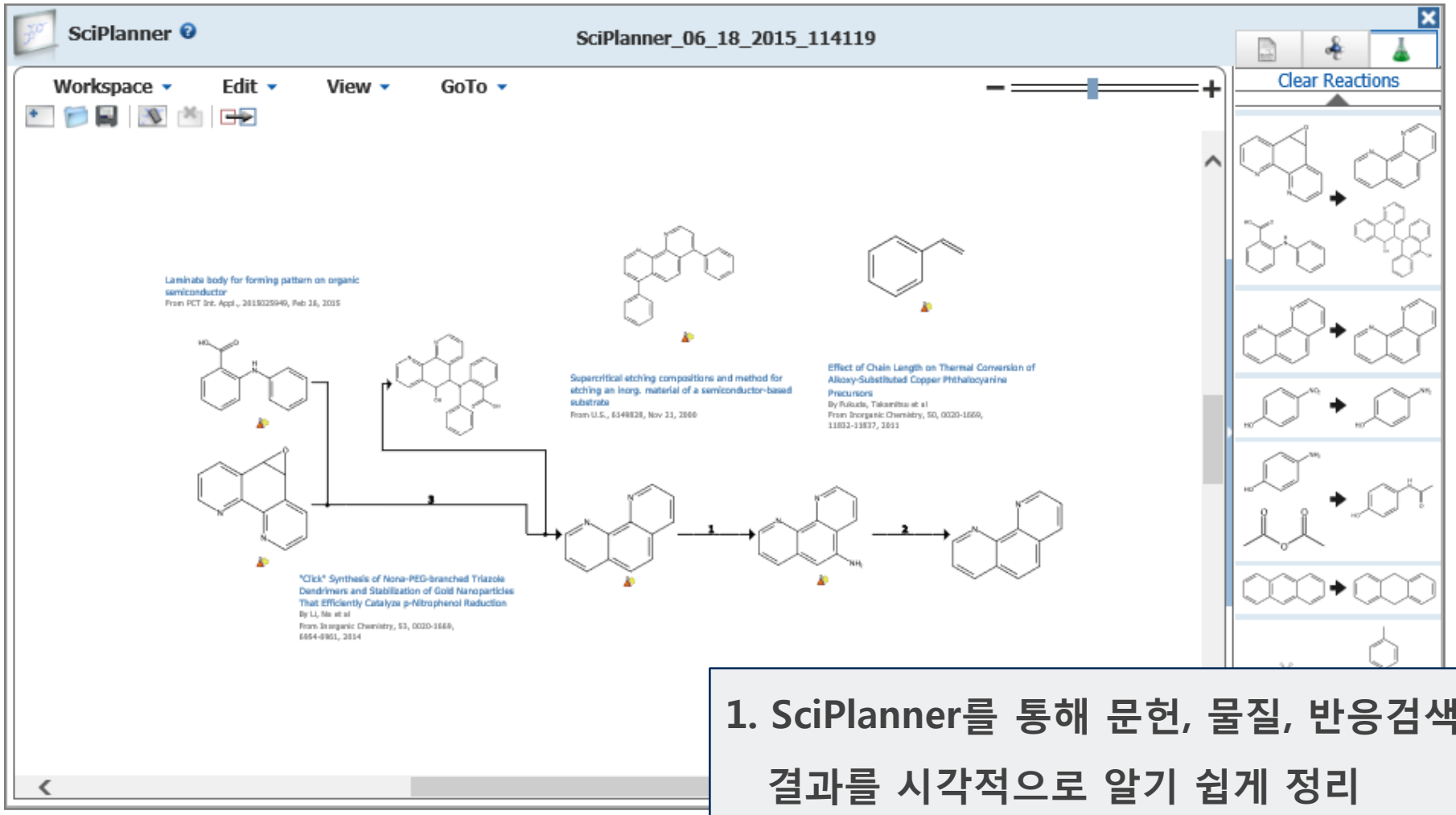
2. 공급업체 정보

알림기능: Keep Me Posted alerts



CAS 데이터베이스에
관련정보가 업데이트되면
자동으로 저장

나만의 연구실 구현 : SciPlanner



1. SciPlanner를 통해 문헌, 물질, 반응검색 결과를 시각적으로 알기 쉽게 정리
2. Retro-Synthesis 가능

CAS SciFinder 인허 계약

▶ 나는 고유한 로그인 ID 및 비밀번호를 다른 사람과 공유하지 않겠습니다.

*MACid (Media Access Control identifier): 컴퓨터의 물리적 주소

▶ 나는 최대 5 천 개의 기록만 저장하겠습니다.

▶ 나는 타 기관의 연구를 위해 검색 결과를 제공하거나,
대신하여 연구를 수행하지는 않을 것입니다.

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(http://www.cas.org/legal/infopolicy.html)

Thank you!

CAS Representative_신원데이터넷

Tel : 02) 326-3535

Mail to : cas@shinwon.co.kr