

CONNECT SCIENTIFIC AND IP INSIGHTS TO DRIVE RNA INNOVATIONS

Protect and monetize the promise of your inventions

With the growth of RNA-based therapies, the RNA patent landscape has become highly complex. Missed IP and scientific information can put investments at risk, and information professionals performing RNA searches face unique challenges operating in this complex space:

- Expanding scientific focus on multiple types of RNAs
- Chemically-modified RNA requiring both biologic and chemical expertise
- Non-standard RNA terminology across patents
- Changes in database and naming conventions over time
- Limitations of familiar BLAST search methodologies in uncovering short RNA

Trust our search expertise for comprehensive strategies

The CAS IP Services team has extensive expertise performing RNA searches to guide critical R&D and patent decisions. Our searchers apply specialized knowledge and strategies for mining complex information sources to deliver comprehensive results. For example, in addition to searching nucleotide databases by sequence, they use innovative techniques to search CAS databases for chemically-modified nucleotides for site-specific modifications or modification patterns. They understand how to design and execute RNA searches to account for the unique complexities of this space, including:

- Custom searches using the most comprehensive and effective strategies and resources for each project
- Knowledge of how RNA is claimed across patents over time
- Expertise in fine-tuning sequence search algorithms for each unique project
- Innovative techniques to search chemical modification patterns independent of sequence, including detailed information about the type and positions of chemical modifications

CAS search professionals also collaborate directly with you and your project team to devise and execute search strategies aligned with your goals.

98% of customers who use CAS IP services would recommend them to others*

* Surveys of CAS customers

CAS IP SERVICES

GAIN VALUABLE SEARCH AND ANALYTICS INSIGHTS

Trust in our team

CAS IP Services team members average over 25 years of research experience and have managed search strategies for the world's largest R&D organizations. Their subject matter expertise in the pharmaceutical, chemical, personal care, materials, and other industries will help you gain valuable insights.

By partnering with CAS, you have access to a team of service professionals with the highest qualifications:

- Experience managing search strategies for patent preparation and prosecution, litigation, IP monetization, competitive analysis, product and safety monitoring, whitespace analysis, and other IP issues
- Leadership positions in PIUG and other industry organizations
- Numerous contributions to peer-reviewed scientific publications
- 25,000+ completed IP projects

Connect to our expertise



**EXEMPLIFIED AND MARKUSH
CHEMICAL STRUCTURES**



**PROTEIN AND NUCLEIC
ACID BIOSEQUENCES**



**CHEMISTRY, BIOTECHNOLOGY,
AND MATERIALS SCIENCE**



**BIOMEDICAL
DEVICES**



ENGINEERING

Receive fast, actionable insights

Team with decades of IP and scientific experience

- High-quality search results
- Subject matter expertise in emerging technologies
- Flexible capacity for rapid response

Direct collaboration with search professionals

- Ensures project alignment with business goals
- Faster response
- Less rework
- Results delivered to your expectations

All-inclusive project pricing

- Budget predictability
- Greater accountability

See how CAS can help you make the most informed decisions about your RNA inventions and IP strategy.

Visit cas.org

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