CAS SciFinder Discovery Platform™ BETWEEN IDEAS AND ANSWERS ARE CONNECTIONS THAT MATTER

Dr. Tetiana Khristova Sr. Customer Success Manager

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At CAS, our passion is advancing scientific progress. As a leader in scientific information solutions, we curate, connect, and analyze the world's published science to accelerate discovery.

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Comprehensive bioactivity data to study how molecules interact with biological systems



Extensive collection

More than 45 million bioactivity measurements and 90,000 defined targets across more than 10 million unique substances relevant to Medicinal Chemists



Critical information

The data required for running analyses of SAR, ADME, and toxicology to understand the effect of a molecule on a target



Intuitive search

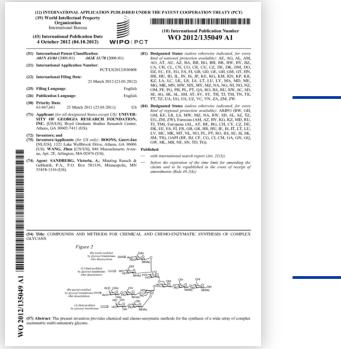
Extensive filtering options and a tabular display with overview of ligand structure, pharmacological parameters, and assay details

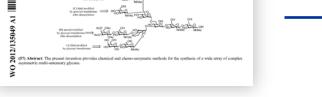


CAS curation extracts knowledge

members

Current patent example

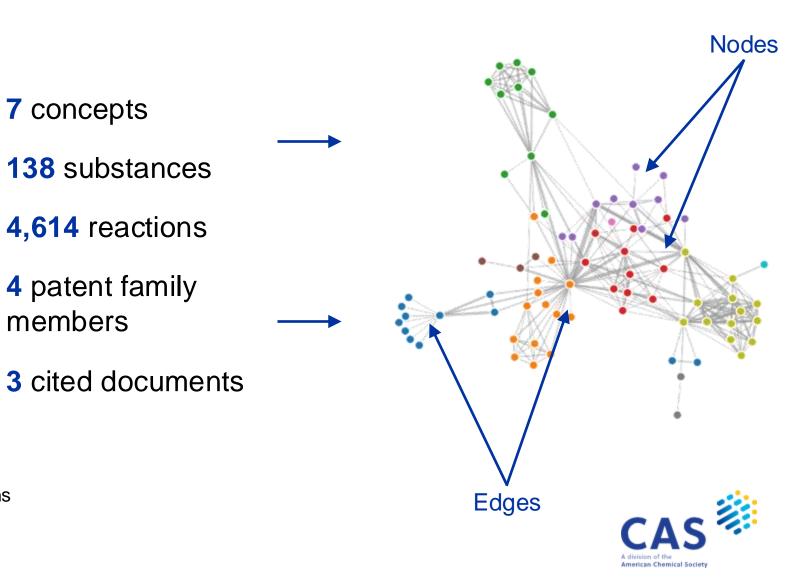






WO 2012135049

Compounds and methods for chemical and chemo-enzymatic synthesis of complex glycans



Informing and enhancing the foundational scientific pursuits in Academia



CAS SciFinder Discovery Platform is designed to support multiple stages and types of scientific research and combines task-specific information solutions, including CAS SciFinderⁿ, CAS Formulus®, and CAS Analytical Methods[™] with ChemZent® and the CAS Content Collection[™], the most complete source of scientific information in the world.



Speed up your science and learning with the leader in scientific intelligence

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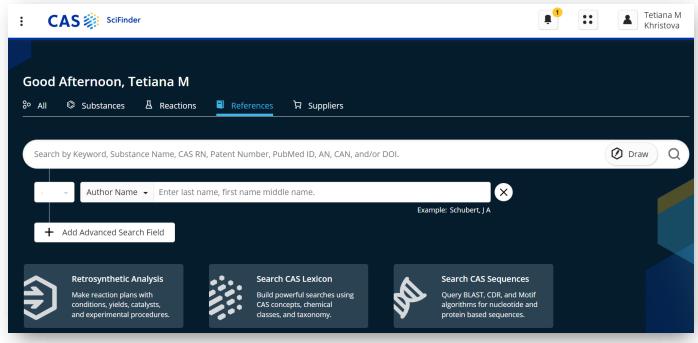
Directly access to the most comprehensive collection of chemical reactions, substances, patents, and scientific literature.

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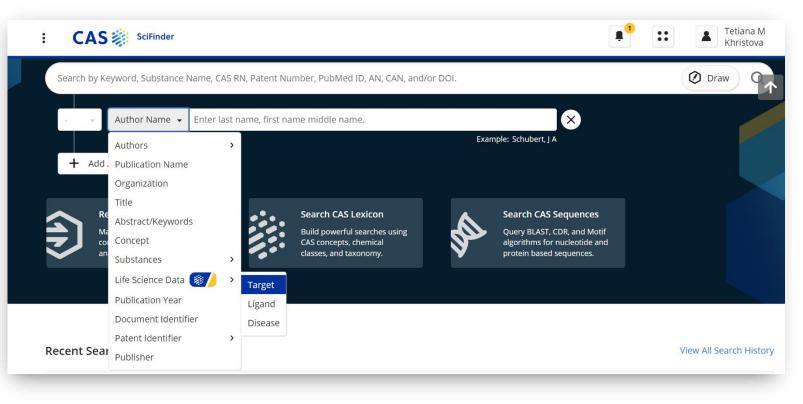
Human expertise

Our scientists work in tandem with technology to identify concepts and relationships beyond keywords.





Improved information to accelerate drug discovery research with CAS Scifinder



Searching for SAR Data

Content that specifically targets a ligand, target, and/or disease can be searched through advanced search.

Content answers can be highlighted in detail records.



A single-source discovery platform for in-depth, multi-disciplinary scientific methods

← Return to Home	Results (11278	3) Sort Relevance 🗸			
 Analyte Carcinoembryonic antigen (680) 		🔛 🛣 🛈 Compare (0/3)			
 Prostate-specific antigen (620) 	CAS MN: 2-111-CA	ehydroepiandrosterone in Blood plasma by Solid phase extraction AS-270275			
α-Fetoproteins (393)	View Details & I	nstructions OD Add to Compare			
 MicroRNA (249) DNA (239) View All 	Analyte	Estradiol; 7α-Hydroxy-DHEA; Dehydroepiandrosterone; Dihydrotestosterone; Testosterone; Androstenediol; Estrone; Dehydroepiandrosterone sulfate; Androstenedione			
^ Matrix	Matrix	Blood plasma			
 Blood serum (4488) Urine (1354) 	Other Materials	Reagent: Dithioerythritol; Ethyl acetate: Ammonium iodide; Methanol; N-Methyl-N- (trimethylsilyl)trifluoroacetamide: Buffers			
 Blood plasma (1349) Blood (833) 		Material: C18 sorbent: HP-ULTRA1 capillary column (17 m × 0.2 mm i.d., 0.11 um film View All ~			
Animal tissue (249) View All	Method Category	Biomarker Medicine Assay			
 Method Category 	Technique	Electron ionization mass spectrometry; Quadrupole tandem mass spectrometry; Gas chromatography; Solid phase extraction			
✓ Technique	Equipment Used	Microwave oven; GC system; Triple quadrupole mass spectrometer			
Year	Source	Profiling of steroid metabolic pathways in human plasma by GC-MS/MS combined with microwave-assisted derivatization for diagnosis of gastric disorders			
		Lee, Wonwoong; Lee, Hyunjung; Kim, You Lee; Lee, Yong Chan; Chung, Bong Chul; Hong, Jongki			
		International Journal of Molecular Sciences (2021), 22 (4), MDPI AG			
		Full Text -			
		Abstract ~			

Integrated

Seamlessly integrated into CAS SciFinder

Comprehensive

Hundreds of thousands of methods across multiple fields of study, including organic compound, bioassay, and water analysis

Focused

Designed with analytical chemistry processes in mind as a single source for searching and comparing published scientific methods and techniques



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Salbutamol	hygroscopic agents	0.1 %	
	pharmaceutical excipients	0.1 %	nanometer aerosols to the lungs using hygroscopic excipients or dual stream nasal delivery
Salbutamol Sodium chloride Group: ethanol/water	pharmaceutical		nanometer aerosols to the lungs using hygroscopic excipients or dual stream nasal delivery Assignee : Virginia Commonwealth University
Sodium chloride	pharmaceutical		nanometer aerosols to the lungs using hygroscopic excipients or dual stream nasal delivery Assignee : Virginia Commonwealth

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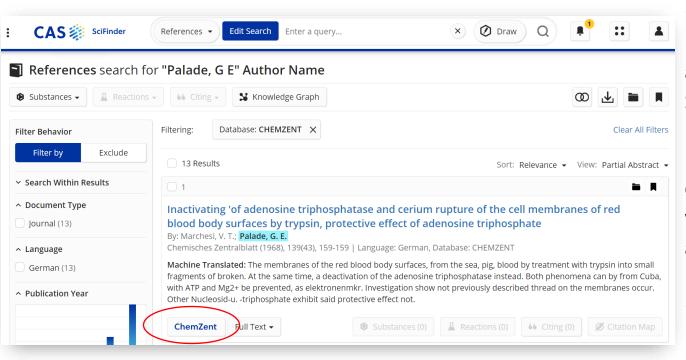
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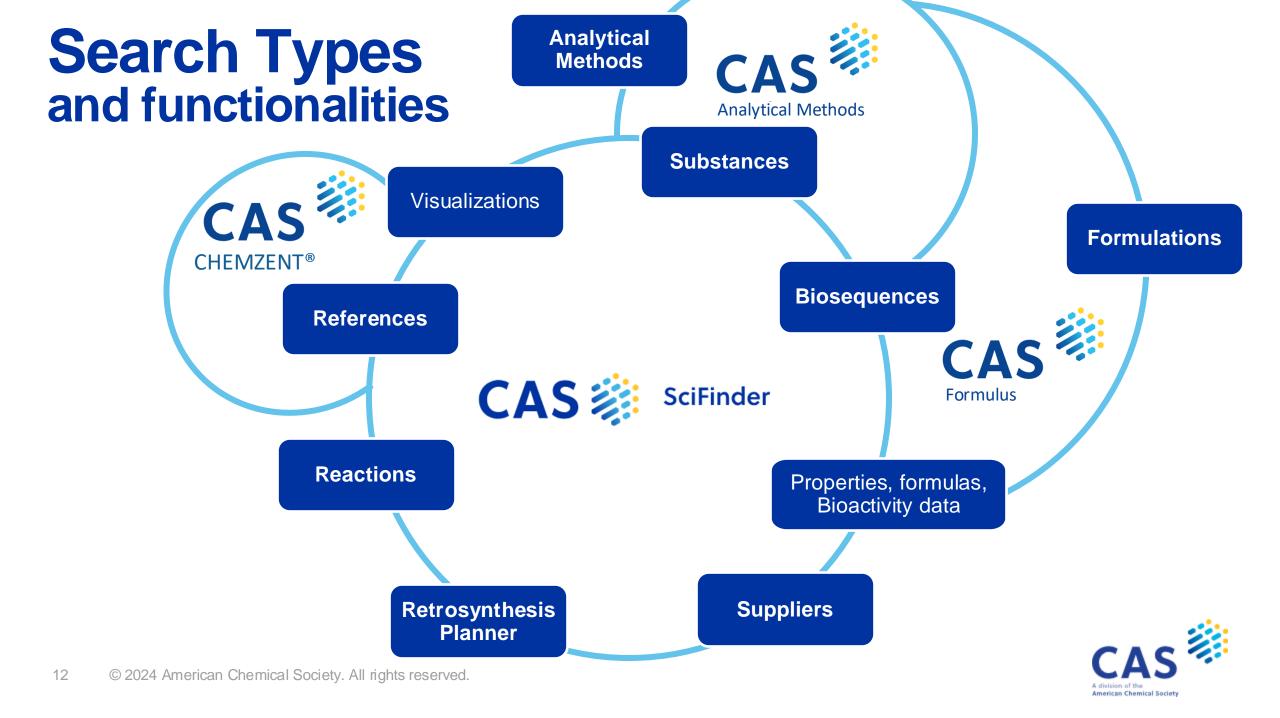
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Completely Integrated

Indexed to fit seamlessly into CAS SciFinderⁿ workflows with CAS-controlled vocabulary





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