



Specialty Chemicals for Life Science

- ◇ High Performance Specialty Reagents
- GMP & Custom Synthesis
- ▷ Strem Catalog: Catalysts, Ligands, High-Purity Reagents
- ◇ Aromatic Building Blocks & Key Intermediates
- ◇ Metal Salts for Bioprocessing

◆ Specialty Reagents

Ascensus offers an unparalleled range of specialty reagents that enable complex transformation so you can continue to create the products that matter. Ascensus products are available in sample, intermediate, and bulk packages.

Borohydrides

Boranes

Specialty Alcoholates

Boronic Acids & Esters

Alkali Metals



⊙ GMP & Custom Synthesis

Ascensus has a proven expertise in the development and synthesis in standard APIs (Active Pharmaceutical Ingredients), high-potency APIs, and late-stage intermediates.

GMP Production

A broad range of chemical transformations are possible in our manufacturing facilities. For pharmaceutical applications, manufacturing is conducted under current Good Manufacturing Practices (GMP) in kilo-lab suites by our highly trained team.

Complete documentation is provided, including validation and stability studies. Active Drug Master Files (DMFs) are also maintained in North America and Europe. Quality agreements are in place with major US and International drug companies.

⊙ REACTION CAPABILITIES

Alkylation

Amination

Ammonolysis

Asymmetric synthesis

Carbonylation

Carboxylation

Chiral chemistry

Dehydrogenation

Formylation

Friedel-Crafts reactions

Grignard reactions

High pressure reactions

Hydroformylation

Hydrogenation

Liquid ammonia reactions

Organometallic reactions

Phosphorylation

Quaternization

Catalytic reduction

⊙ CURRENT APIS

Cisplatin

Carboplatin

Dexmedetomidine HCl*

Isoproterenol HCl*

Selenious Acid**

Cupric Sulfate

Pentahydrate

Chromic Chloride

Pamidronic Acid*

Sodium Sulfide

Nonahydrate

* Marketed exclusively through Chemwerth

** Available through Chemwerth if a DMF is required



▶ Strem Catalog

Our catalog offers over 6,000 specialty fine chemicals with a special emphasis on high-purity organometallics, catalysts and ligands. Quality is the most critical component of all products and services. A history of collaborating with academic scientists has led to the introduction of new products and have resulted in the establishment of proprietary technologies and facilitated their commercialization. Many products are available on a bulk and commercial volumes.

▶ CATALOG PRODUCT RANGE

- Biocatalysts
- Buchwald Precatalysts & Ligands
- Catalysts & Chiral Catalysts
- Chiral Phosphoric Acids
- Ligands & Chiral Ligands
- Metathesis Catalysts
- Photocatalysts
- Screening Kits

⬢ Aromatic Building Blocks & Key Intermediates

Aromatic compound production and custom manufacturing of fine organic intermediates to support early-stage through commercial production of APIs.

We offer a comprehensive range of more than 1,000 building blocks and key intermediates.

C-C and C-N Coupling Reactions

Our high-quality substituted iodo and bromo-aromatic compounds are especially suited for C-C and C-N coupling reactions.

Side Chain Bromination

Our scientific teams have developed innovative free radical side-chain bromination methodologies.

⬢ WE OFFER MORE THAN 50 YEARS OF EXPERTISE IN

- Halogenation
- UV Bromination
- Diazonium / Sandmeyer reactions
- Oxidation
- Reduction
- Esterification

⬢ Metal Salts for Bioprocessing

Variability in culture media can have detrimental effects on your bioprocess. Reduced output, altered protein expression, and costly failure of the cell culture can result from relying on metal nutrients with inconsistent purity profiles. Consistent control of trace metal purity and impurity profiles in metal salts is critical to your bioproduction success. Ascensus Specialties will custom-tailor metal nutrients to your exact specifications.



Headquartered in Bellevue, WA, **Ascensus Specialties is a global leader in catalysts, ligands, building blocks, and specialty reagents.** Our 60+ years of synthetic knowhow, allows us to bring additional value to our clients through our custom synthesis and GMP services. From world-class manufacturing facilities in Elma, WA, Evans City, PA, Newburyport, MA, and Cambridge, UK, Ascensus has a global reach that ensures our clients can consistently manufacture their products to the highest standards.

▶ THE ASCENSUS ADVANTAGE

60+ Years of Experience

Custom-Tailored Purity and Impurity Profiles

Commercial GMP Capabilities

Supply Chain Development

Process Control and Robustness

Bioburden Control

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