



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.

O 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

O 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.

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 bromoaromatic 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.

Halogenation

UV Bromination

Diazonium / Sandmeyer reactions

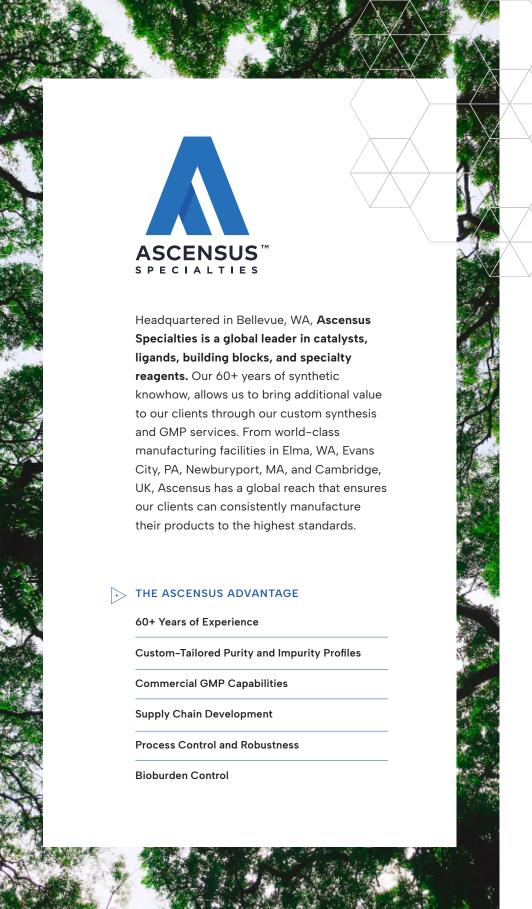
Oxidation

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.



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