

GMP & Custom Synthesis

Ascensus has over 35 years of experience in the development and synthesis of APIs, high-potency APIs, and late-stage intermediates.

Broad Technical Knowledge Specialized High Pressure Production Equipment Lab to Commercial Scale Reliable Global Supply Chain Custom Purity and Impurity Profiles Dedicated GMP Suites

GMP Production

Our world-class manufacturing facilities allow us to perform a broad range of chemical transformations using state-of-the-art equipment. For pharmaceutical applications, manufacturing is conducted under current Good Manufacturing Practices (GMP) in dedicated 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* Cupric Sulfate Pentahydrate Chromic Chloride Sodium Sulfide Nonahydrate Selenious Acid** Pamidronic Acid*

* Marketed exclusively through Chemwerth **Available through Chemwerth if a DMF is required



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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