



Advanced  
Intermediates &  
Building Blocks  
for APIs &  
Vaccines

## ◆ High-Purity Advanced Intermediates

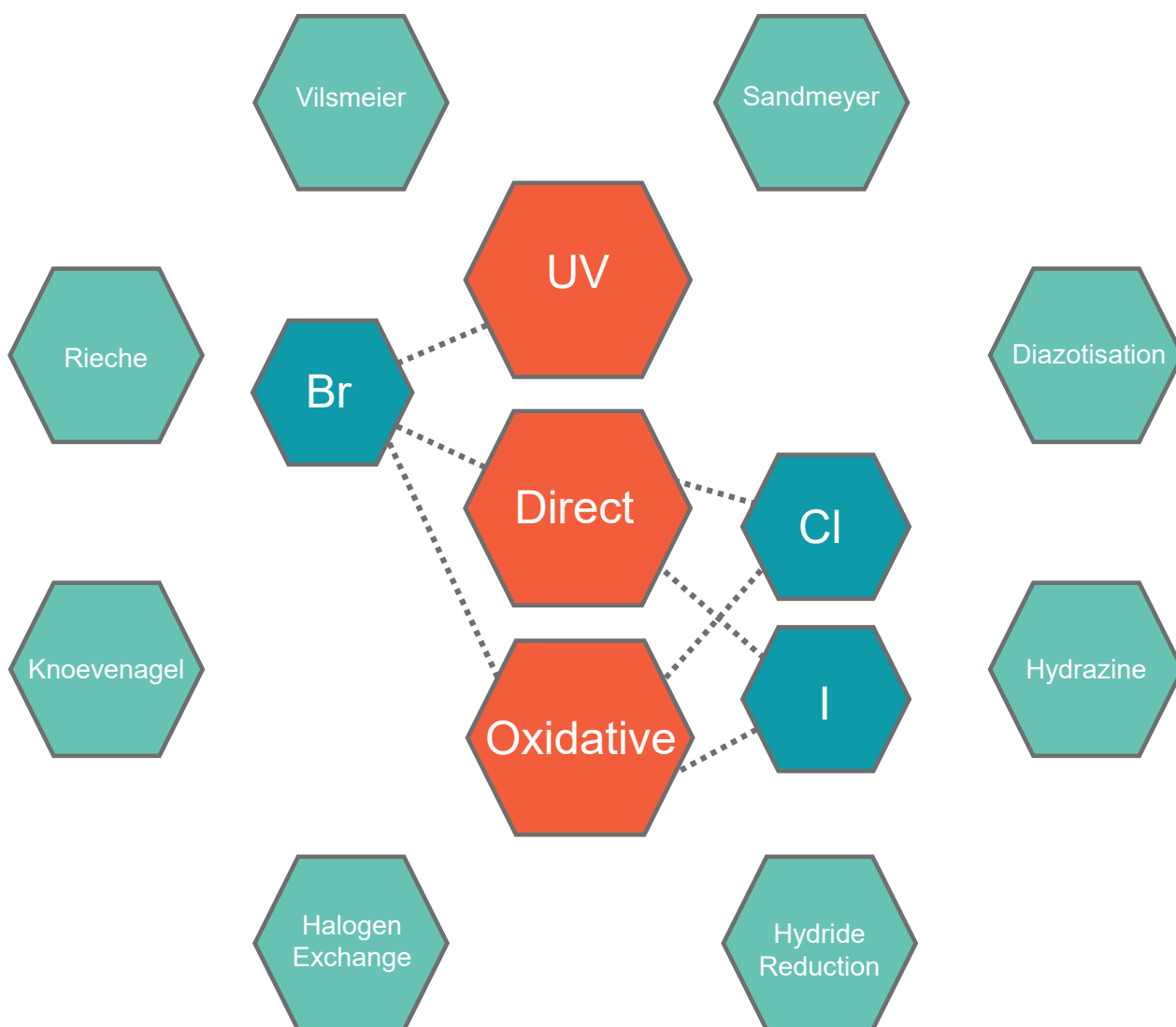
Advanced intermediates play a crucial role in the synthesis of a wide range of products including vaccines and APIs. To support the need for high-purity building blocks of consistent quality, expertise in regio-selectivity and chemo-selectivity is essential.

## ○ Ascensus Halogenation Products

**Ascensus produces a comprehensive range of over 1000 high-purity advanced intermediates and building blocks for APIs and vaccines, containing one or more halogen functional groups.**

Even the slightest deviation in purity can significantly impact the effectiveness of the compounds. The team at Ascensus uses direct, oxidative, or UV-activated halogenation techniques to ensure precise chemical structures and high purity of the final products.

We support our Pharma customers in the development of new chemical entities from early stage through commercialization. Our products come with a suite of services, such as quality control, just-time-delivery, packaging to your needs, and documentation for regulatory requirement like FDA approval.





## Our Commitment to You

### High-Purity/High-Quality

The consistent high quality of our advanced intermediates guarantees that you make the best possible products. Our products can be used downstream without further purification.

### Broad Portfolio

During 50+ years in operation, we have developed scalable processes to make 1000+ molecules containing one or more halogen groups

### Custom Synthesis

We work directly with customers on custom projects in which the services and process development are conducted under the strictest confidence

### Reliable Global Supply

Using the Ascensus global supply network guarantees a secure & timely delivery groups

### Packaging to Your Needs

We offer a variety of packaging options to ensure safe and facile handling at your site

### Research & Development

Our R&D department will develop products and processes to your needs

### Customer Focused Service

Our goal is to provide a positive experience by addressing any concerns or challenges through quick and thorough responses from our knowledgeable customer service team

### Safety & Technical Support

We handle reactive reagents safely and will be grateful to share our know-how via online or on-site training. It is our goal that your operations and people are safe when using our products.

## Potential Applications

Active Pharmaceutical

Ingredients (APIs)

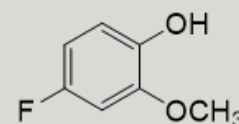
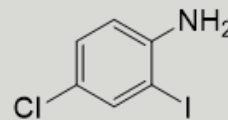
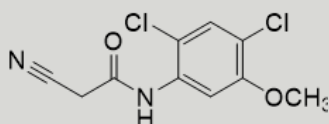
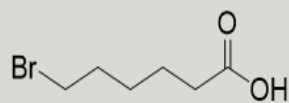
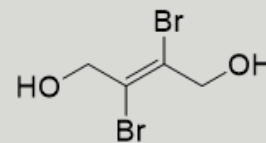
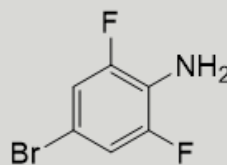
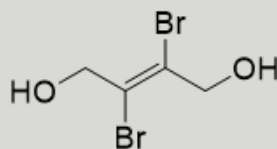
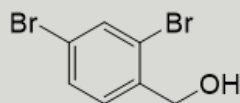
Lipid Nano Particles (LNP)

Veterinary

Cross-Couplings such as:

- Suzuki
- Heck
- Buchwald
- Negishi

## HALOGENATED BUILDING BLOCKS





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

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Custom-Tailored Purity and Impurity Profiles

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Commercial GMP Capabilities

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Dependable Global Supply Chain

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Process Control and Robustness

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Customer Focused Service

#### 📍 CONTACT

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