



# Pharmaceutical products & services

# Complex chemistry. Simply delivered.

Veranova provides complex chemistry solutions to the pharma market to help create a healthier world. We have vast industry experience, access to specialist technologies and capabilities, and a 50-year heritage. It is because of this that our customers trust us to provide them with expert solutions, optimising their chemical processes and ultimately accelerating their innovation.

Our portfolio of differentiating technologies enables us to provide a broad range of specialised services for developing customers' complex and niche molecules. With our highly potent molecule handling, separation technologies, crystallization development and solid form science, we can deliver the expertise our customers need for successful product development. We are able to offer the full spectrum of drug development services, from discovery through commercial manufacturing and product life cycle management. To deliver these world-leading services for our customers, we continuously aim toward sustainable processing as part of our sustainability goals. The responsible management of valuable materials and use of smart, efficient technologies position us firmly as industry leaders.



# Our core solutions

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## Custom pharma solutions

Our Custom Pharma Solutions offering provides a full range of bespoke drug development, scale-up and manufacturing services, through pre-clinical and toxicological studies, to development and commercial manufacturing. Our expert teams can solve the most challenging chemistry and scale-up problems, bringing a unique blend of deep R&D knowledge and specialist capabilities, combined with large-scale global capabilities, to accelerate your innovation.

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## Controlled substances

Our products are extensively used in therapeutic classes including analgesia, CNS disorders and anti-addiction treatments. We are leaders in the supply of opiates, amphetamines and other classes of controlled substances. Our facilities operate to the highest levels of quality and compliance and overall, we provide our customers with assured security of supply for all their controlled substance requirements.

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## APIs & life cycle management

We provide an extensive range of generic APIs, and our products cover a wide range of therapeutic classes such as anti-cancer, anti-rheumatic, addiction, psychiatric disorders and ophthalmic indications. Using our complex chemistry expertise and unique technologies, we are continually looking to expand and increase our API portfolio through collaborative working—a core principle of Veranova.



# Custom pharma solutions

We draw on decades of experience across Veranova to deliver a unique combination of deep R&D knowledge and specialist expertise with large-scale global capabilities, accelerating your innovation.

The world's ageing population reflects centuries of scientific and medical advances, but also brings a host of complex challenges for drug developers. Through our Custom Pharma Solutions offering, we can solve your most challenging chemistry and scale-up problems. Working with pharma innovators, we are constantly striving to expand our capabilities to enable us to offer life-changing complex chemistry solutions. We are proud to offer this leading service through our exceptional facilities spanning Europe, North America and Asia.

We offer complete custom services, from pre-clinical to commercialisation, and our strong track record, technology and service are what successfully set us apart from our competitors. We are focused on understanding your problems to provide the best possible development and manufacturing solutions.



# Controlled substances

Through our global facilities and GMP-compliant bulk production plants, together with our understanding of the broad regulatory requirements, we have the expertise to ensure the reliable supply of controlled substance APIs.

We have spent 50 years building an extensive range of opiates and controlled substances. We provide reliable access through our global capacity to these scheduled products and materials; this ensures security of supply.

Our heritage includes Macfarlan Smith Ltd, based in Edinburgh, UK, the world's leading manufacturer of opiate alkaloids, and our US-based facilities in West Deptford, NJ, and Devens, MA.

Additionally we specialise in other areas such as cannabinoids and synthetic stimulants, and we have deep expertise in handling complex APIs and potent products. Our extensive experience in handling controlled substances gives us significant understanding of the critical issues surrounding these areas, as well as an excellent relationship with the relevant governing agencies such as the US Drug Enforcement Agency.



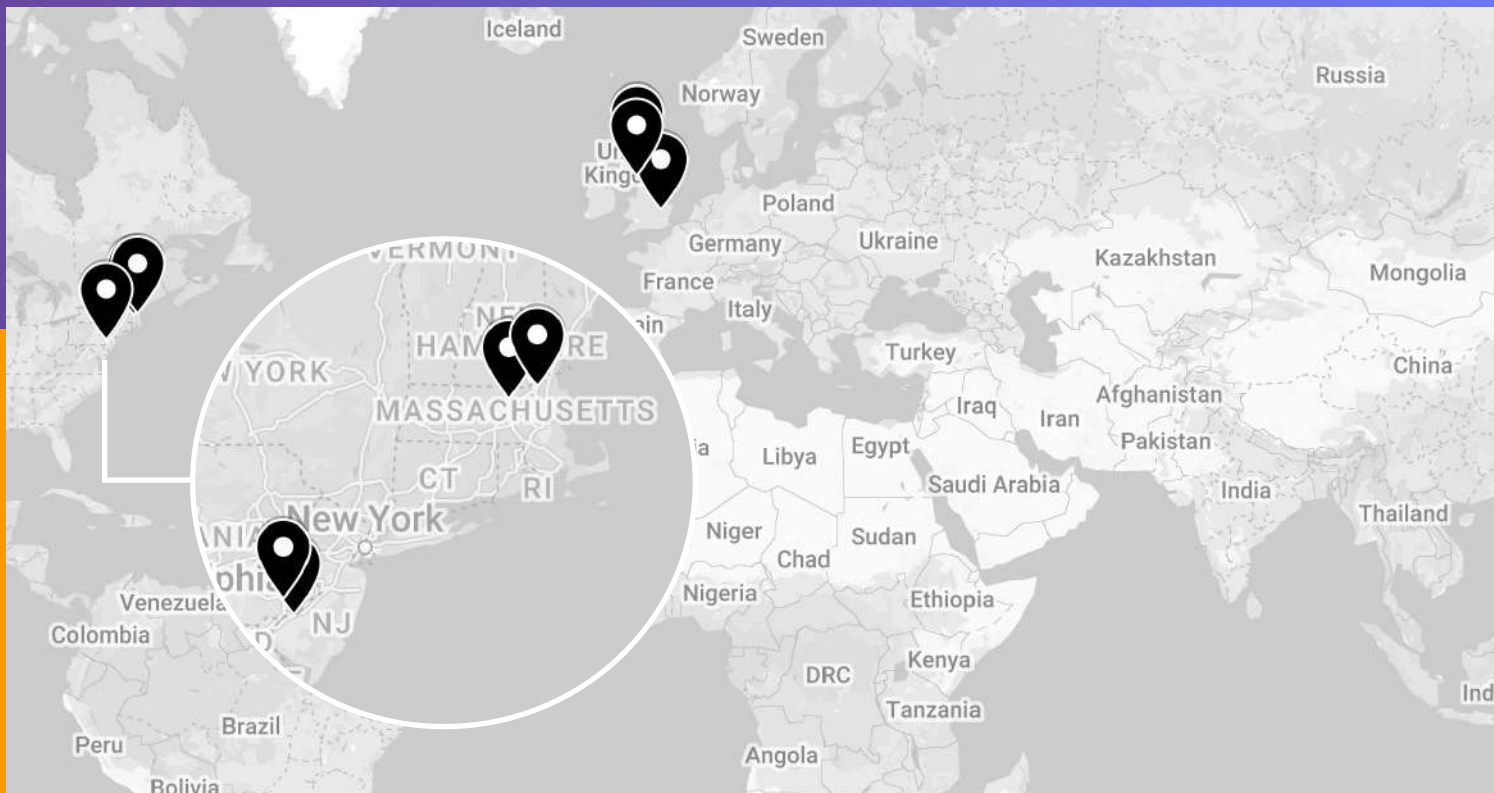


# APIs & life cycle management

Successful partnerships depend on collaborative working—a core principle of Veranova. With our broad technologies, extensive API portfolio and network of compliant facilities, we can solve your most complex chemistry problems while helping to reduce your risks.

Working together we can create successful new generics partnerships. Combining innovative business models with collaborative process development helps to strengthen our customers' products, while reducing your risk. Our APIs & Life Cycle management offering is supported by our network of development and commercial manufacturing facilities in Europe, North America and Asia to meet your global product requirements.

We offer an extensive range of generic APIs and invaluable expertise for developing many more. Risk reduction is ensured through partnering with us and our smart technologies, and complex chemistries can help to strengthen IP to ensure a competitive position in the market.





# Global supply

Our network of state-of-the-art pharmaceutical R&D, kilo lab, pilot scale and large-scale manufacturing production facilities spans Europe, North America and Asia. Our European sites include a broad range of specialist R&D capabilities in Cambridge, UK, with large-scale manufacturing in Edinburgh and Annan, UK. In the US, our extensive R&D capabilities are located in Devens, Massachusetts, with manufacturing plants in West Deptford, New Jersey; Devens, Massachusetts; and North Andover, Massachusetts. Yantai in China provides non-GMP starting materials.

## Technologies & Capabilities

- Complex chemistry solutions
- Chiral technology
- Solid form sciences
- Controlled substances and high potency API
- Drug conjugates and linkers
- Modern lab, kilo-lab and pilot plant infrastructure



GLOBAL FACILITIES	CUSTOM PHARMA SOLUTIONS	CONTROLLED SUBSTANCES	APIS & LIFE CYCLE MANAGEMENT
Wayne, PA. USA (HQ)			
North Andover, MA. USA	●		●
Devens, MA. USA	●	●	●
West Deptford, NJ. USA	●	●	●
Edinburgh, UK	●	●	●
Annan, UK	●	●	●
Cambridge, UK	●	●	
Yantai, China	●		

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