

The background of the slide is a photograph of industrial chemical manufacturing equipment, including large blue tanks and complex piping. A semi-transparent blue vertical bar covers the left side of the image. In the top left corner, there is a white grid pattern with rounded corners. The word 'BIOSYNTH' is written in white, uppercase letters on the right side of the blue bar, with a registered trademark symbol (®) to its right.

BIOSYNTH®

# Complex Chemical Large Scale Manufacturing

Securing Life Sciences Supply  
Chains

End to End Manufacturing  
Across a Range of Sites

# Large Scale Manufacturing, Service for Your Scale and Speed

Whether you are starting at large scale or moving on from our custom synthesis and smaller scale production, at Biosynth we have a range of facilities to manufacture, fill and store high quality chemical products at scales up to 10 Metric Tonnes.

Flexible service offering:  
Transfer in your existing manufacturing and analytical methods ready for a large scale manufacturing batch or scale up an existing manufacturing methodology.



## Expertise and Specialties

- Carbohydrate-based drugs
- Carbohydrate-based detergents
- Antiviral nucleoside analogs
- Substrates for detection of enzymatic activity
- Food and environmental analytical compounds
- Cosmetic ingredients
- Nutraceutical ingredients

## Manufacturing in Europe

We have two manufacturing sites in Europe for larger scale production at ISO 9001:2015, which are based in Staad, Switzerland and Bratislava, Slovakia. Flexible range of reactors sizes from 60L up to 3000L and equipped with cutting edge instrumentation and highly qualified scientists to support our production and QC processes.



In Switzerland, we also have a co-located GMP pilot plant for medium size production (1 - 10 kg batch size) as well as research laboratories for route scouting and development. This is in addition to our excellent facilities in the UK for process development and custom synthesis.

## Manufacturing in Asia

Our multipurpose modern plant in Jinan, China, is part of the CarboTang Biotech Joint Venture between Biosynth Group and Shengquan Group. Multipurpose plant with vessels from 250L to 3000L.

Flexible layout with a pilot plant, clean finishing area and separate chemical synthesis and pharma halls.



The plant is constructed to meet EU regulations, including Directive 2011/62/EU, US FDA, CFDA and is compliant with ISO9001:2015 quality standards.

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For more information visit  
[www.biosynth.com/complex-chemicals](http://www.biosynth.com/complex-chemicals)

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## Global Locations

Switzerland  
United Kingdom  
Slovakia  
India

United States  
China  
Ireland  
South Korea

The Netherlands  
Austria  
Japan

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## About Biosynth

Securing Life Sciences Supply Chains - where Chemistry meets Biology, Products meet Services and Innovation meets Quality, Biosynth is at the Edge of Innovation.

With an unrivaled research product portfolio of over half a million products and end to end manufacturing services, we are science led and customer focused to solve problems, taking pride in delivering products and projects that others cannot. Our expertise and capability runs across Complex Chemicals, Peptides and Key Biologics all from one trusted partner.

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