

# Newcastle Biosphere, UK

Research and development services tailored to your molecule's needs

## Newcastle Biosphere at a glance



Established in  
**2002**



**20** employees



**2,100+**  
molecules



**1,442** sq/ft  
site



Approved for  
Schedule **1 to 5**  
**controlled substances**

## Comprehensive services for a wide range of project requirements

The Newcastle Biosphere facility delivers extensive research and development (R&D) expertise including support to early phase small molecule projects.

### Some of our key services include:

- Custom synthesis of small molecules
- Contract research
- Route design, development and optimisation
- Focused compound libraries
- Stable isotope labelling
- Metabolite synthesis
- Non-GMP supply for toxicology studies
- Isolation and identification of unknown impurities
- Process scale up evaluation
- Organometallic catalysis



## State-of-the-art equipment to maximise your success

Sterling's Newcastle Biosphere site is home to an array of specialised equipment to handle comprehensive analytical work and complex chemistries for R&D projects, including early phase API discovery and development.

### Some of the equipment and facilities we have on site at Newcastle Biosphere include:

- New fully equipped R&D labs
- LC-MS (electrospray)
- Analytical and semi-preparative HPLC
- Chiral HPLC
- NMR access (up to 700 MHz) via Newcastle University
- Optical rotation
- Biotage automated chromatography machines
- Biotage microwave reactor

Experienced in the custom synthesis of novel compounds for research and development, Sterling's Newcastle Biosphere, UK site is located in the city centre of Newcastle-upon-Tyne. With a talented team of experienced PhD organic chemists and comprehensive analytical services, the Newcastle Biosphere team can help you proactively overcome discovery and development challenges to maximise project continuity and enhance your long-term success. As a Sterling customer, you will also have access to hassle-free technology transfer to its global commercial manufacturing facilities. **Here are some of the things you should know about our Newcastle Biosphere facility.**



### World-class facilities

First established in 2002, the team moved into the Newcastle Biosphere facility in 2019. The modern site offers 1,442 sq/ft of laboratory space, which is dedicated to R&D to deliver new breakthrough products. **Our ability to handle projects from milligrams up to multigrams within our state-of-the-art laboratories, makes Newcastle Biosphere ideally equipped for new product development projects, including early phase APIs.**



### Experienced team members

Our team at Newcastle Biosphere is made up of 20 dedicated experts from a range of backgrounds, with extensive experience in the synthesis and analysis of complex organic molecules. **Our highly skilled team delivers the exceptional service, knowledge and collaboration necessary to support your project's critical early stages.**



### Continued innovation

Sterling continues to invest in the Newcastle Biosphere site to support added capabilities and expertise. **We embrace new technologies that emerge from our extensive research and customers' diverse requirements.** Through continually enhancing our resources and investing in our team members, we can support a broad range of projects.



### Patent development

Our Newcastle Biosphere facility is highly experienced in process improvement, which has frequently led to the filing of new process patents by our customers. **Our ability to adapt to changing project requirements and deliver focused compound libraries to strict deadlines, makes us the ideal partner to support your patent's development.**

### More than a traditional CDMO.

At Sterling, we are committed to working in true scientific partnership with our customers to fully understand their project requirements and maximise their success. That's why we are a PDMO<sup>®</sup>, or partnership development and manufacturing organisation. This means:



#### Service

We pride ourselves on being easy to do business with, removing layers of complexity, maximising flexibility and scalability to your requirements, and doing what we say we will do, again and again.



#### Passion

We promise to treat your molecule as our own, drive progress by continually exploring new and emerging capabilities, and do the right thing for our people and planet.



#### Science

We combine our expertise in complex and hazardous chemistry, our world-class facilities and our full-lifecycle capabilities to place scientific excellence at the core of every solution we deliver.

Ready to set your R&D project up for success?

Visit [sterlingpharmasolutions.com](https://sterlingpharmasolutions.com) to learn more about our Newcastle Biosphere, UK site.



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+44 (0)191 250 0471  
Newcastle Biosphere, UK  
Drayman's Way  
Newcastle Helix  
Newcastle upon Tyne  
NE4 5BX