



Custom Synthesis

Peakdale's business has been built around its unique chemistry skills and experience in custom synthesis. By using novel chemical synthetic approaches alongside classical methodologies, Peakdale has earned a reputation for completing even the most challenging syntheses.

Experience and innovative chemistry

Over the years, Peakdale has developed its chemistry expertise by undertaking a large number of diverse projects for customers. Customers will often supply a known synthetic route but Peakdale's chemists also always utilise their own expertise and knowledge to devise innovative solutions or improve synthetic routes to provide a higher quality end product.

Peakdale undertakes the majority of its custom synthesis projects based on fixed quotations. For customers with high volume custom synthesis needs we also offer fixed term contracts that guarantee a level of service and result in a lower "price per compound".



Facilities

- 8 research laboratories with scales from mg→kg
- Scale up laboratory reactors – up to 50 litres
- Low temperature capabilities – up to 30 litres at -78°C
- Pressure vessels up to 7.8 litres
- Preparative HPLC
- Full analytical support – ¹H NMR, LC-MS, GC

Expertise

- High pressure reactions
 - including hydrogenation, carbonylation, reactions with ammonia
- Heterocyclic chemistry
 - often with unusual substitution patterns
- Nucleoside synthesis
 - world class synthetic team
- Scaling up synthesis
 - by modifying and improving synthetic routes

Your custom synthesis needs

If you would like to discuss a synthetic route and learn how Peakdale will produce and add value through the custom synthesis process, please contact us;

Telephone +44(0)1298 816700 Fax +44(0)1298 816701 email enquiries@peakdale.co.uk

Applying its innovative chemistry expertise and flexible resources, Peakdale Molecular supports its customers' drug discovery activities through the following products and services;

- **Medicinal Chemistry**
- **Custom Synthesis**
- **Analytical Services**
- **Contract Research**
- **CADD Services**
- **Intermediates Catalogue**
- **Peakexplorer Focused Libraries**
- **Lead-like Compounds for Screening**
- ***In Vitro* ADMET Services**
- **Microwave Synthesis Services**

Founded in 1992, Peakdale Molecular is based in Chapel-en-le-Frith in the UK, where its purpose built facilities house organic research labs, parallel synthesis labs and a kilo scale-up lab, all of which are supported by a fully equipped analytical department.

www.peakdale.com