

Compound Support Services

At Onyx Scientific, we deliver custom syntheses in support of your small molecule API to meet specific requirements from milligram to kilogram scale. Our chemists manufacture your target molecule to the highest standards against a set specification.

We offer our customers compound support for the following:

- Metabolites
- Stable labelled compounds
- Building blocks
- Impurities
- Reference compounds
- Compound libraries

Synthetic Chemistry Services

Our team of highly skilled chemists take a responsive and flexible approach in collaborating with customers to ensure the most effective chemical synthesis of each target compound is achieved. Our compound support capabilities include, but are not limited to:

- Multistep organic synthesis
- Complex / challenging chemistry
- Hydrogenation
- Toxic chemistry
- Asymmetric synthesis using chiral auxiliary, catalysis, and resolution techniques
- Metal-mediated reactions

Output

- Weekly reports
- Final report
- Custom synthesized batch
- Detailed Certificate of Analysis
- TSE statement
- Data interpretation: NMR, HPLC-MS, GC
- Structure elucidation using NMR – 1H, 13C, HSQC, HMBC



Equipment

A variety of equipment is available at Onyx to support your custom synthesis requirements, allowing for the synthesis of target compound quantities ranging from milligram to kilogram.

- Reaction carousels for fast parallel synthesis
- Range of Huber controlled jacketed vessels from 250mL up to 100L
- Range of heating/mixing options - hot plates, overheads, mantles
- Scavenger, catch & release columns
- Pressure vessels (300mL up to 20L)
- Chromatography – up to 12kg silica
- Flow equipment
- Distillation – range of columns, packing and heads
- Wiped film evaporator
- 2 x 400MHz NMR
- Range of HPLCs in development labs

Contact us

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Your molecule, our people - it's good chemistry

