

# CUSTOM SYNTHESIS

In addition to our catalogue business we are offering custom synthesis from our UK based lab.

With over 130 years of combined lab-based experience and 10 dedicated chemists, we can deal quickly and efficiently with your synthetic challenges and demands.

We are specialised in unusual and highly functionalised aromatic compounds and late stage intermediates.

# APOLLO SCIENTIFIC

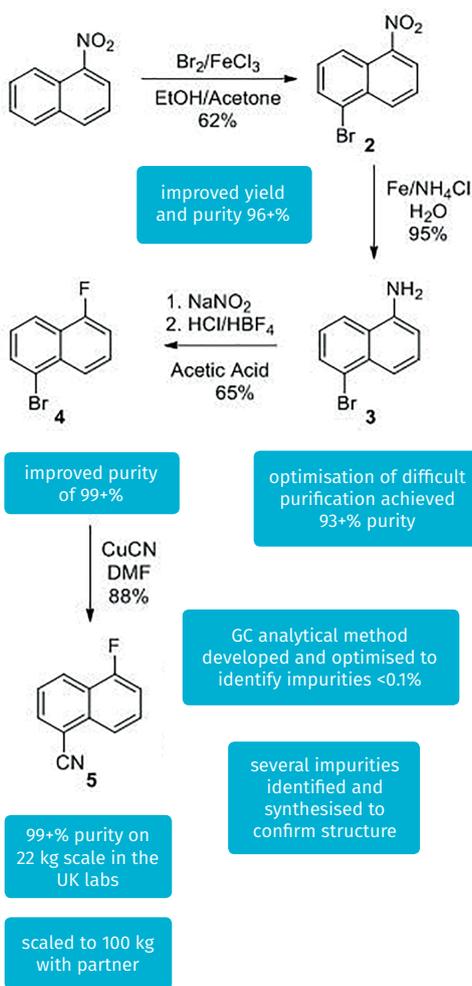
## INTRODUCTION OF FLUORINE AND FLUORINATED MOIETIES

- KF Exchange
- Balz-Schiemann
- Trifluoromethylation
- Difluoromethylation
- Perfluoroalkylation
- Nucleophilic Trifluoromethylation
- Deoxyfluorination
- Trifluoromethyl Sulphides/Sulphones
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- Fluorinated Alkoxylation
- Aryl-SF<sub>5</sub> compounds

## TYPICAL REACTIONS TO SYNTHESISE BUILDING BLOCKS

- Oxidation
- Reduction
- Halogenation
- Alkylation
- Diazotisation
- Nitration
- Cyanation
- Cyclisation
- Grignard Reaction
- Lithiation
- Transition Metal-Catalysed Coupling
- Suzuki Coupling
- Sonogoshira Coupling
- Ullmann Reaction
- Buchwald-Hartwig

## CASE STUDY: SUPPORTING YOUR PROJECT FROM CONCEPTION TO COMMERCIAL REALISATION



## WE ARE OFFERING



Custom Synthesis starting from gram quantities up to 10kg scale (up to 20L reactors).



Scale up of existing procedures. Via our partners we can offer up to multi-tonne scale.



Optimisation of semi-bulk reactions. Literature searching and route optimisation.



Short lead times and highly competitive pricing due to our 20,000 available stock items.



Fully characterised compounds, in house quality control. (LC-MS, HPLC, GC, IR and NMR).



Written reports based on the requirements of our customers and frequent project updates.



Complete IP protection, confidentiality guaranteed.



Excellent on-time delivery record.

WANT AN UNUSUAL AMINE FOR YOUR HIT TO LEAD PROGRAM?

MULTIGRAMS OF A LATE STAGE INTERMEDIATE FOR YOUR PROJECTS?

We can support your project from conception to commercial realisation and we would welcome your enquiries.

Apollo Scientific Ltd

Whitefield Road, Stockport, Bredbury, Cheshire SK6 2QR. United Kingdom.

TEL: +44(0)161 406 0505 FAX: +44(0)161 406 0506 EMAIL: custom.synthesis@apolloscientific.co.uk

@ApolloSciUK VISIT: [www.apolloscientific.co.uk](http://www.apolloscientific.co.uk)