



arran

CHEMICAL COMPANY LTD

A Member of the Almac Group

Chemical solutions

- Commercial manufacture of intermediates and regulatory starting materials
- Chemical route scouting, process development and scale-up to multi-tonne supply
- Thin film evaporation / distillation expertise
- selectAZyme™ enzyme technology and biotransformation scale-up
- Commercial supply of immobilised enzyme

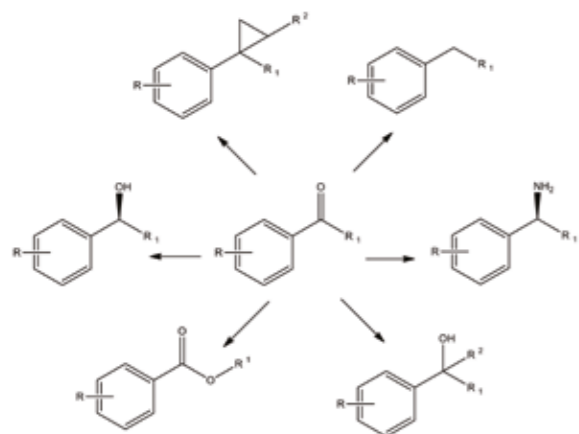




What we offer:

- Gram to tonne manufacture of intermediates and speciality chemicals
- Chemocatalysis and biocatalysis
- Enzyme technology (selectAZyme™) and enzyme immobilisation
- Kilo laboratory and pilot plant from 10 L to 1000 L in glasslined and stainless steel vessels
- Production scale from 1000 L to 6000 L in glasslined and stainless steel vessels
- Working temperature range - 50°C to +220°C
- Short path distillation/thin film evaporation

Chemistry expertise:



Our technology expertise includes:

- Alkylation
- Aminoalkylation
- Asymmetric synthesis
- Biocatalysis - selectAZyme™
- Base catalysis
- Catalytic transfer hydrogenation
- Condensations
- Darzens synthesis
- Dealkylation
- Dieckmann condensation
- Diels Alder
- Esterification
- Grignard chemistry
- Leuckhart reaction
- Michael reaction
- Methacrylate based monomers
- Organolithium chemistry
- Organometallics
- Organosilicon chemistry
- Oxidation chemistry
- Stereoselective chemistry

Chiral chemistry & biocatalysis

Arran is a specialist in the development and scale-up of chiral chemistry and biotransformations. The selectAZyme™ enzyme platform contains a diverse array of enzymes classes, many of which are ready for deployment at kilogram to tonne scale.

Arran partners with its clients in the application of industrial biocatalysis in a production environment to meet efforts to reduce waste, satisfy environmental controls and fulfil green chemistry obligations.

selectAZyme™

Established products include:

- Aroma intermediates and final products
- Intermediates specialising in chiral amines and chiral alcohols
- Biocatalysis derived products
- Enzymes and immobilisation
- Grignard and organolithium derived products
- Chiral catalysts and associated ligands
- Specialist monomers





Regulatory

- Certified to ISO 9001:2015 and ISO 14001:2015
- Adheres to responsible care programme
- IPPC licence
- Safety management system in place
- Compliance with REACH
- Multiple customer audits each month
- Good environment compliance

Challenge us with your chemistry problems

See how we can apply innovative technologies in a production environment to increase process scalability, lower cost-of-goods and build a long term supply relationship.

Arran welcomes on-site visits and audits at our Athlone headquarters.

Get in touch

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