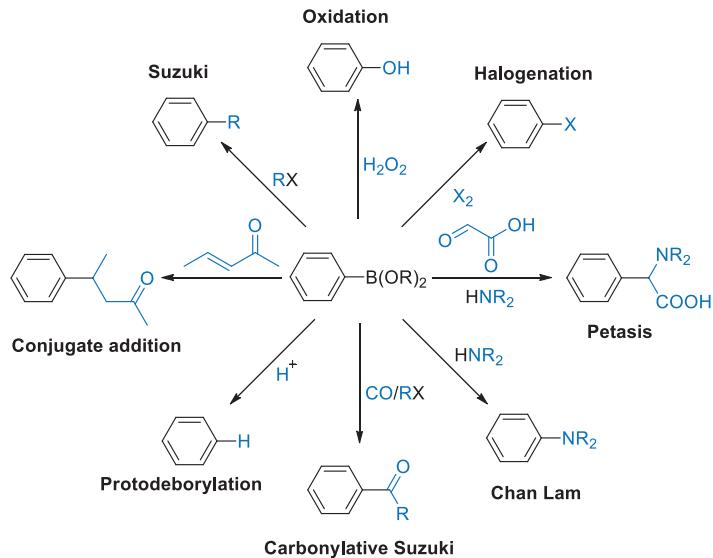
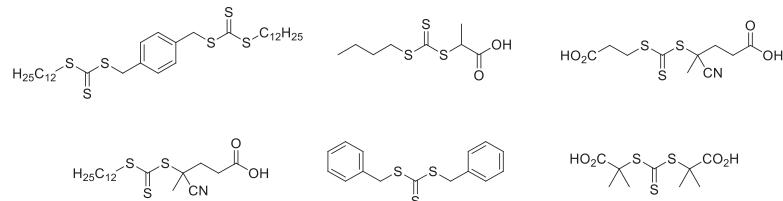


## Boronic Acid Chemistry



- ▶ Catalogue of 2000 unique boronic acid building blocks
- ▶ Biaryls, terphenyls and advanced OLED intermediates
- ▶ 18 years experience in process chemistry for boronic acid synthesis and cross-coupling chemistry
- ▶ Expert in chemical synthesis and specialist in purification of chemicals with high-purity
- ▶ Specialists in custom synthesis for novel boronic acids

## Trithiocarbonate Chemistry RAFT Agents



## Specialty Products and Services

- |                  |                   |                          |                           |
|------------------|-------------------|--------------------------|---------------------------|
| ▶ Halogenation   | ▶ Halide exchange | ▶ Borylation             | ▶ Cross-coupling          |
| ▶ Lithiation     | ▶ Organometallics | ▶ Alkylation             | ▶ Amination               |
| ▶ Heterocycles   | ▶ Hydrogenation   | ▶ Hydrogenation          | ▶ Reduction               |
| ▶ Esterification | ▶ Extractions     | ▶ Diazo Chemistry        | ▶ Dye & pigments          |
| ▶ Sulfonation    | ▶ Flow Chemistry  | ▶ Wipe Film Distillation | ▶ Fractional Distillation |

## Ionic Liquids

- ▶ Synthesis of a range of high-purity ionic liquids
- ▶ Solid electrolytes such as organic ionic plastic crystals for solid-state battery applications.
- ▶ Ionic liquid starting materials (e.g. halide salts and tosyl-based salts)
- ▶ Custom-design synthesis for R&D purposes, and upscaling capabilities for large-scale applications.

