

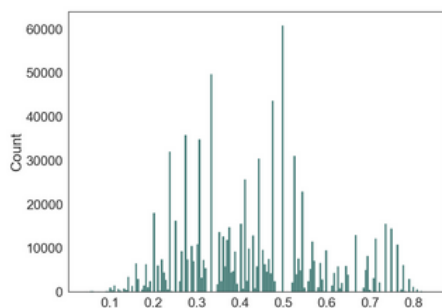
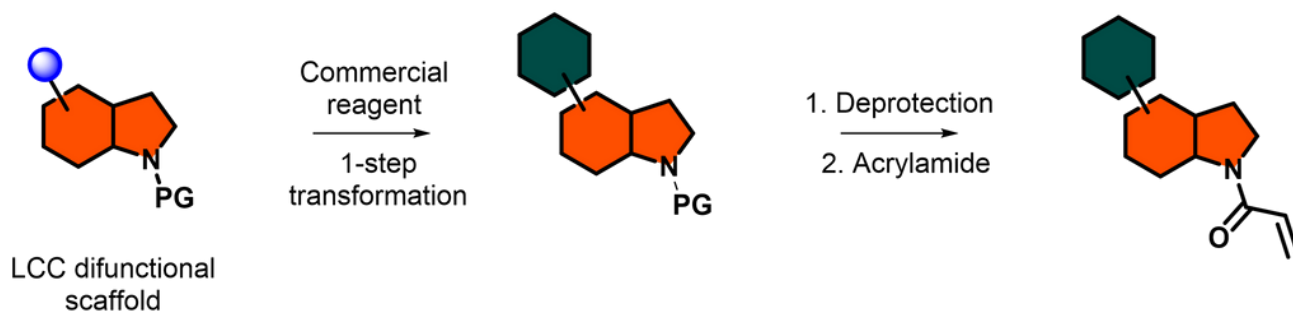


LCC'S MOLECULES OF THE MONTH

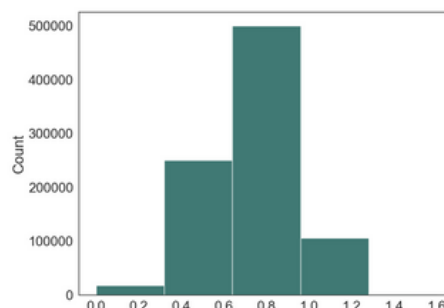
Covalent Virtual Library

LCC's capacity to design and synthesise large libraries has expanded throughout 2023, thanks to **the development of our parallel synthesis laboratory**. Building on the foundations of our enantiopair fragment sets, we have continued our investment in the field to provide high-quality covalent compounds for drug discovery and chemical biology groups.

Hence, we have enumerated a **>800k member covalent virtual library (single warhead) for virtual screening**. The library is based on a novel collection of sp^3 -rich chiral scaffolds, which are co-located with our parallel synthesis laboratory.



Fractional carbon sp^3



PBF

The workflow used for the enumeration is flexible and can be adapted to **any commercial/bespoke warhead** that can be installed on the reactive nitrogen. The chemical transformations have been validated in our parallel synthesis lab, as well as the incorporation of several common warheads.

This highly diverse library will accelerate your drug discovery programme by providing **novel and developable compounds**.

To find out more about LCC's covalent virtual library, **please get in touch!**

