

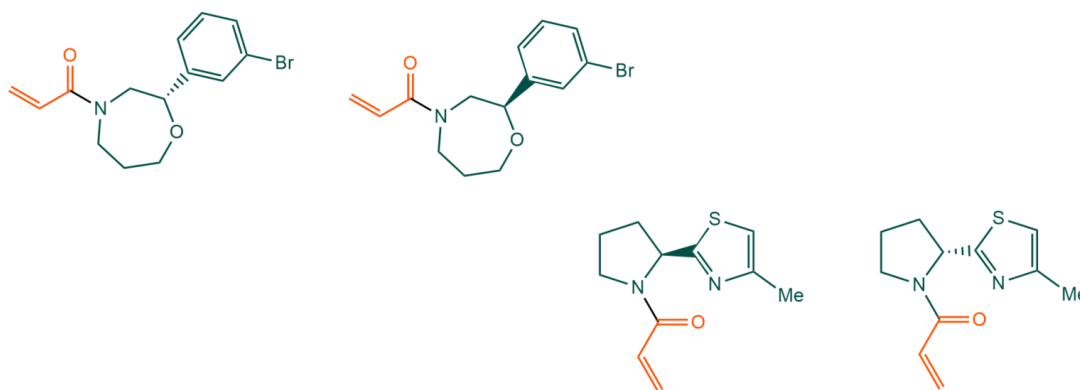


## LCC'S MOLECULES OF THE MONTH

### Covalent Fragment Libraries

Covalent fragment libraries find applications across various stages of drug discovery, including hit identification, lead optimization, and even in repurposing existing drugs. Enantiomeric probe pairs have recently been used to develop allosteric covalent inhibitors of conformationally dynamic helicase mechanoenzymes <https://pubs.acs.org/doi/10.1021/jacs.3c10581>

LCC offer **3D-rich, novel covalent fragment libraries** and **enantiopair fragment libraries**.



Including enantiopairs of covalent fragments in your screening collection can unlock key advantages:

- 1. Increased Selectivity:** Single enantiomers can offer enhanced selectivity, allowing for targeted interactions with specific proteins.
- 2. Diversity in Chemical Space:** Accessing both enantiomers expands the chemical space covered by the library, providing more comprehensive range of potential drug candidates.
- 3. Stereochemistry Impact:** Knowing the absolute configuration of each enantiomer can accelerate the identification of the most potent and selective compounds, ultimately shortening the drug development timeline.

#### Let's drive innovation together:

LCC's Covalent Fragment Libraries offer an unparalleled opportunity to explore this dynamic space with **novel proprietary libraries** for screening or design and synthesis of bespoke libraries tailored to your needs.

If you are interested in accessing LCC's Covalent Fragment Libraries, **please get in touch!**

