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First-in-class MCRs coupled with cascade reactions for the generation of molecular complexity

Christopher Hulme
The University of Arizona, USA

The discovery of complexity-generating multi-component reactions (MCRs) is of continued interest to generate chemotypes of potential pharmacological value. This talk describes recent findings over the last 3 years primarily employing MCRs and subsequent post-condensation modifications. Valuable new insights into indole chemistry will also be presented coupled with intriguing MCR-cascade reactions. The operational simplicity and heterocyclic moieties contained in highlighted scaffolds make these protocols attractive for file enhancement, exploration of 'drug-like' chemical space, and medicinal chemistry campaigns.

hulme@pharmacy.arizona.edu

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