

Title: Synthetic Methods for the Building Block Economy

Abstract: The Bode Group has developed a number of robust, reliable reactions that form complex molecules from small, readily prepared building blocks – many of which are now commercially available. These reactions allow efficient access to structures including cyclic peptides, synthetic proteins, saturated N-heterocycles, and advanced scaffolds for drug development. Careful design of the building blocks enable unified synthetic approaches to diverse structures, making them amenable to outsourcing and scale up. Coupled with efforts to simplify and automated the assembly of these building blocks, this approach allows access to some of the most complicated and desirable targets in organic chemistry in a predictable, reliable manner.