Target Synthesis Directed Methodology Development

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Abstract Speech

Development of new synthetic methodologies plays an irreplaceable role in the synthesis of natural products and designed bioactive molecules. On the other hand, from the structures of synthetic targets, one can get inspiration to explore new reactions and synthetic strategies. This lecture will summarize our recent results on methodology development, which are initially discovered during the synthesis of bioactive molecules. These methods include amino acid promoted Ullmann-type reactions and their applications in preparing pharmaceutically important heterocycles,\(^1\) and assembly of spiro-fused indolines via intramolecular oxidative coupling.\(^2\)

REFERENCES