

AN EFFICIENT APPROACH TO FUNCTIONALIZED HYDROPYRIDO[1,2-A]INDOLES USING A MODULAR HOMO-NAZAROV PROTOCOL. Stefan France, School of Chemistry and Biochemistry, Georgia Institute of Technology, 901 Atlantic Drive, Atlanta, GA 30332.

The hydropyrido[1,2-*a*]indole skeleton and, more specifically, its C(6)-oxidized congeners are key structural motifs that appear in the core structures of an impressive number of natural products and other bioactive molecules. An efficient synthesis of this skeleton will be discussed using a modular homo- Nazarov cyclization protocol of alpha-diazo N-acyl indoles. An examination of the scope and limitations will be presented along with recent efforts toward natural product synthesis.