

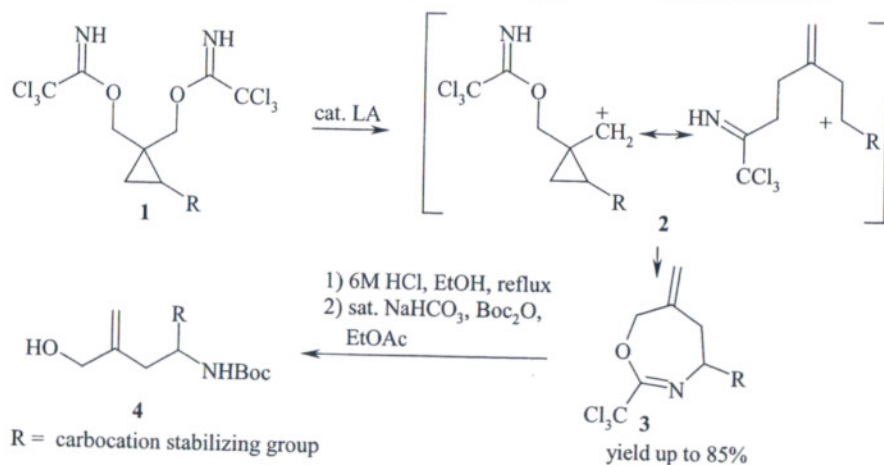
XVth Conference on Heterocycles in Bio-organic Chemistry - 2013

β -EXOMETHYLENE δ -AMINO ALCOHOLS BY INTRAMOLECULAR AMINATION OF NON-CLASSICAL CYCLOPROPYL METHYL CATION

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β -Exomethylene δ -amino alcohols **4** are multifunctional building blocks that can be transformed to amino acids, γ -butyrolactams, pyrrolidine derivatives etc.



Herein we present Lewis acid catalysed intramolecular amination of non-classical cyclopropyl methyl cation as a novel, late transition metal-free route to β -exomethylene δ -amino alcohols **4**. We have demonstrated that *bis*-imidates **1** give 6-methylene oxazepines **3** in moderate to good yield, if R is carbocation stabilizing group. In addition, we have shown that oxazepines **3** can be readily transformed to *N*-protected β -exomethylene δ -amino alcohols **4**.

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PROGRAM AND ABSTRACT BOOK

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