

New Route to Chiral Heteromacrocycles

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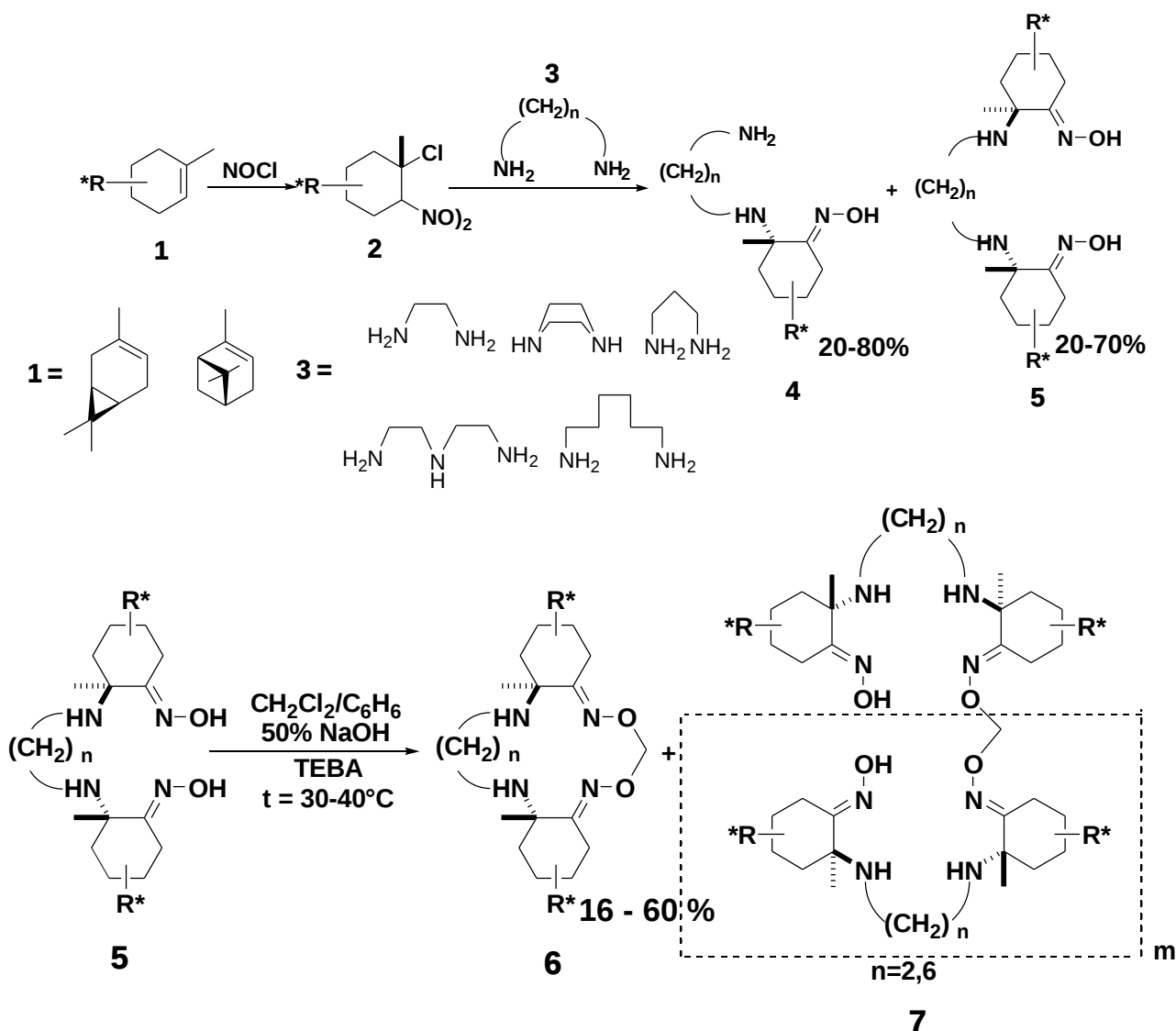
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Optically active macrocycles are generally interesting for organic, bioorganic and medical chemistry.¹ We report here a short route to new optically active heteromacrocycles from natural terpenes. A number of new diaminodioximes were synthesized starting from (+)-3-carene and α -pinene. The resulting diaminodioximes were used for the synthesis of new heteromacrocycles as shown on scheme. The mechanism of diaminodioximes formation and application of new diaminodioximes and heteromacrocycles will be discussed.



1. Dietrich B., Viout P., Lehn J.-M., *Macrocyclic chemistry: aspects of organic and inorganic supramolecular chemistry*, VCH, 1992.