

SYNTHESIS OF NEW NITROGEN-CONTAINING DRIMANE AND HOMODRIMANE SESQUITERPENOIDS FROM SCLAREOLIDE

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Abstract. The synthesis of new nitrogen-containing drimane and homodrimane sesquiterpenoids in cycle B is reported. A comparative study of the microwave (MW) assisted synthesis of drimenone versus classical conditions has been done. The drimanic and homodrimanic oximes were prepared on the base of ketones derived from commercially available sclareolide. The drimanic amine was obtained by reduction of corresponding oxime with LiAlH_4 . The structure of novel compounds was confirmed using IR, ^1H and ^{13}C NMR analyses.

Keywords: synthesis, sesquiterpenoids, oxime, reduction, 7-amino-drim-8(9)-ene.

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