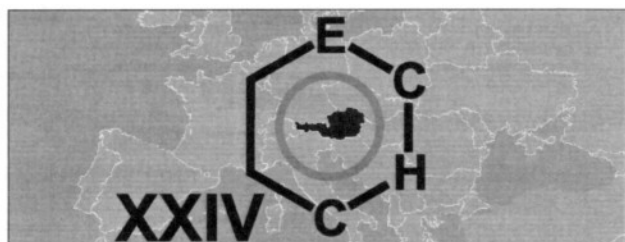


XXIVth
European Colloquium
on
Heterocyclic Chemistry



August 23rd – 27th, 2010

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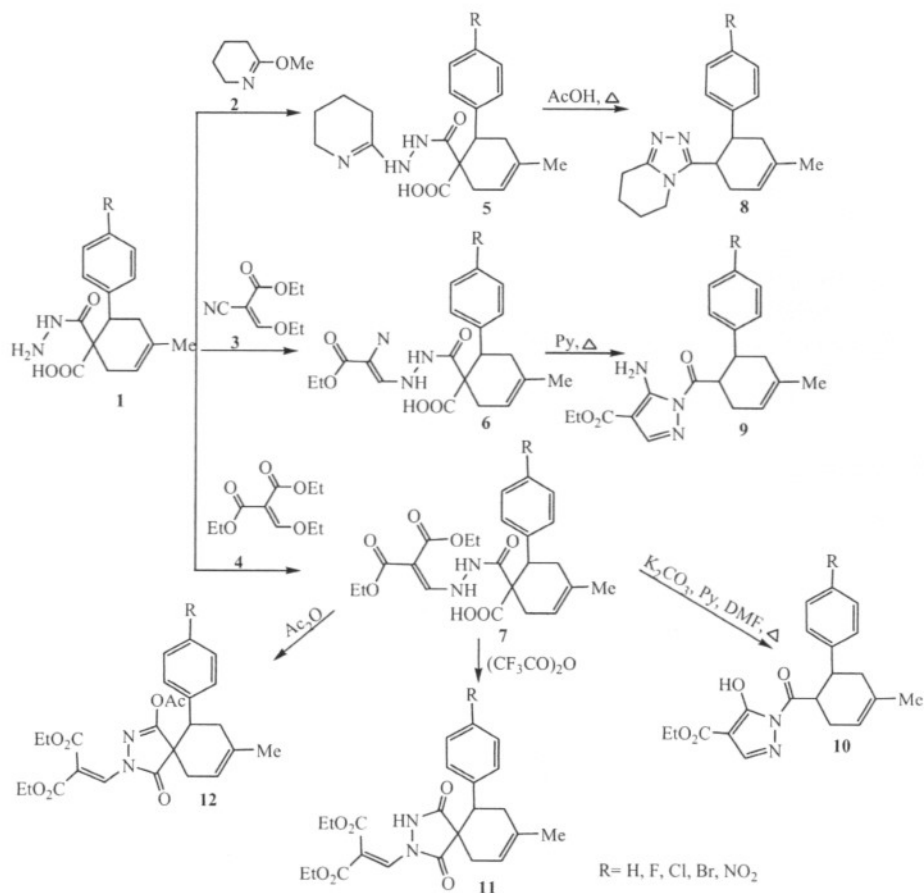
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SYNTHESIS AND PROPERTIES OF 2'-N-SUBSTITUTED MONOHAZIDES OF CYCLOHEXENEDICARBOXYLIC ACIDS

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2'-N-Substituted monohydrazides of cyclohexenedicarboxylic acids are the key intermediates in synthesis of cyclohexene containing heterocyclic structures with potential biological activity [1-3].



2'-N-Substituted monohydrazides of cyclohexenedicarboxylic acids **5-7** were obtained from hydrazides **1** previously synthesised in our laboratory [4] and lactim or enol ethers **2-4** and transformed into heterocycles **8-12** by ring contraction.

[1] D. Zicane, I. Ravina, Z. Tetere and M. Petrova, Chem. Het. Comp., 2005, 41, 187.

[2] D. Zicane, I. Ravina, Z. Tetere and M. Petrova, Chem. Het. Comp., 2005, 41, 850.

[3] D. Zicane, I. Ravina, Z. Tetere and M. Petrova, Chem. Het. Comp., 2005, 41, 1130.

[4] D.R. Zicane, I.T. Ravina, I.A. Rijkure, Z.F. Tetere, E.Yu. Gudriniece and U.O. Kalejs, Zh. Org. Khim., 2000, 36, 521.