

New Heterocyclic Derivative of Pulegone

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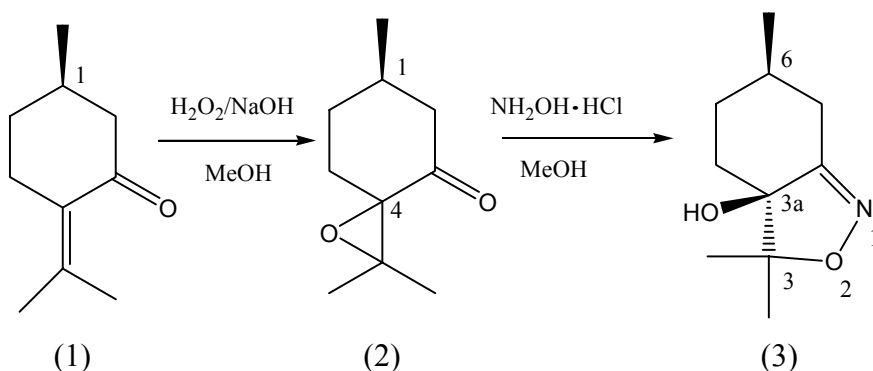
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Accessible monoterpenoids from essential oils are suitable raw material for synthesis of new biologically active compounds. The *R* (+)-pulegone (**1**) was isolated from essential oil of *Ziziphora clinopodioides* Lam. and was converted to known mixture of epoxydes (**2**) [1]. Consequent treatment of this mixture with hydrochloride of hydroxylamine in a methanol solution on reflux leads to the mixture of products. The only crystalline product was isolated by crystallization (yield 86%). The structure of its molecule is defined as (3*aS*,6*R*)-3,3,6-trimethyl-4,5,6,7-tetrahydro-2,1-benzisoxazole-3*a*[3H]ol (**3**) from X-ray diffraction data.



[1]. W. Reusch, C. K. Johnson, *J. Org. Chem.*, V. 28, № 10, P. 2557-2560 (1963).