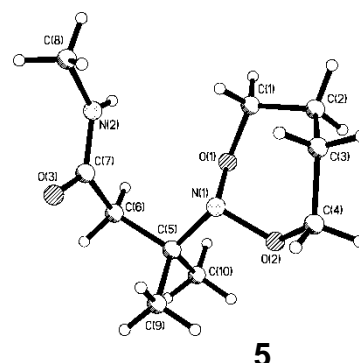
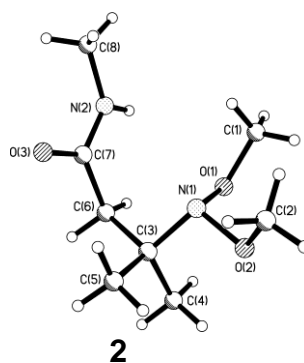
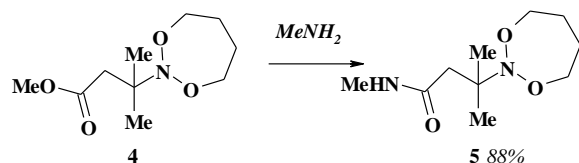
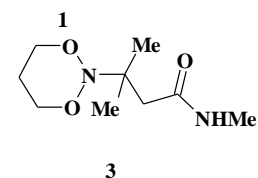
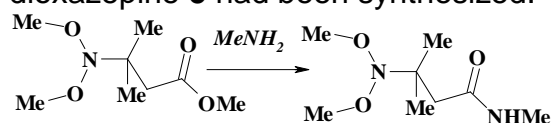


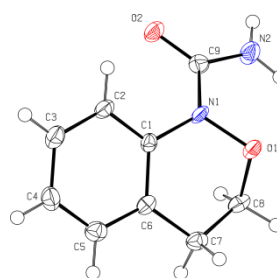
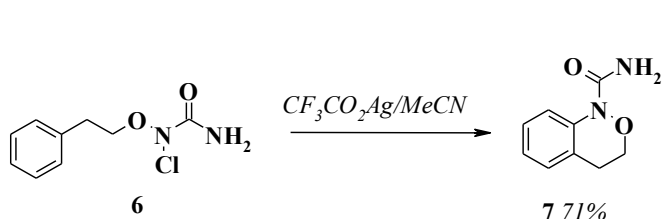
## P-4

Geminal System O-N-O: XRD Studies of Structure of Cyclic *N,N*-dialkoxyderivatives of Amines and UreasShtamburg V.G., <sup>a</sup> Tsyhankov A.V., <sup>b</sup> Klots E.A. <sup>c</sup> Kostyanovsky R.G. <sup>d</sup><sup>a</sup>Ukrainian State University of Chemical Technology, 49005, Dnipropetrovsk, Gagarina str.8, Ukraine e-mail: [stamburg@gmail.com](mailto:stamburg@gmail.com)<sup>b</sup>Kirovograd Flight Academy of National Aviation University, 25005 Kirovograd, Ukraine, e-mail [geminalsystems@gmail.com](mailto:geminalsystems@gmail.com)<sup>c</sup>Kirovograd State Pedagogical University<sup>d</sup>N.N. Semenov Institute of Chemical Physics, Russian Academy of Sciences, 119991 Moscow, Russian Federation

Acyclic *N,N*-dimethoxyamine **2**, perhydro-1,3,2-dioxazine **3** and perhydro-1,3,2-dioxazepine **5** had been synthesized. Their structure has been studied by XRD.



The formation of 1-carbamoyl-3,4-dihydro-1H-2,1-benzoxazine **7** is the first example of intramolecular nucleophilic substitution in the *N*-chloro-*N*-alkoxyureas. The structure of benzoxazine **7** has been studied by XRD.

1-carbamoyl-3,4-dihydro-1H-2,1-benzoxazine **7**