

## Reaction products of *endo*-isomers bicyclo[2.2.1]hept-5-ene-2-carboxamides with halogens

© Alexander V. Zlobin,<sup>1</sup> and Alexey A. Tsvetkov<sup>1</sup>

Organic Chemistry Division, Federal State Military Educational Institution of Higher Professional Education  
"Nuclear Biological Chemical Defense and Engineering Corps Military Academy After Marshal of the Soviet  
Union S.K. Timoshenko". NBCDEC MA. Gorky St., 16. Kostroma, 156013. Russia.

Phone: +7 (4942) 39-97-63. E-mail: [dr\\_zlo@ro.ru](mailto:dr_zlo@ro.ru)

\*Supervising author; <sup>+</sup>Corresponding author

**Keywords:** norbornene derivatives, azabrendanes, lactonization.

### Abstract

In this paper, the interaction of halogens with bicyclo[2.2.1]hept-5-ene-2-carboxamides obtained on the basis of cyclopenta-1,3-diene and acrylamide. A new method of 2-iodine-5-carboxy-4-azatricyclo[4.2.1.0<sup>3,7</sup>]-nonane synthesis is worked out.