**SYNTHESIS OF CYCLE B FUNCTIONALIZED DERIVATIVES   
OF (+)-LARIXOL**

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**Abstract.** The main purpose of this research was the synthesis of highly functionalized derivatives of (+)-larixol by combination of classical and nonconventional method, like dye-sensitized photooxidation with preservation of outside chain. As a result, a series of four new cycle B derivatives of (+)-larixol were obtained. The structure of all synthesized compounds was fully confirmed by spectral method (IR, 1H and 13C NMR) and for compound containing endoperoxide functional group, additionally by single crystal X-ray diffraction analysis.

**Keywords:** (+)-larixol, enolacetylation, dye-sensitized photooxidation, reduction, X-ray analysis.