

## (+)-LARIXOL: RECENT SYNTHESSES, PHYTOCHEMICAL STUDIES AND BIOLOGICAL ACTIVITY ASSESSMENTS

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**Abstract.** (+)-Larixol is a well known labdane-type diterpenoid widely used in organic synthesis. The chemistry of (+)-larixol had a slower evolution compared to other diterpenoids and the peak of its heyday can be considered the 2000s. During this period, the most important works describing the syntheses based on (+)-larixol appeared, some of them being mentioned in reviews devoted to diterpenes. So far, however, no review has been published dedicated exclusively to (+)-larixol. The present review covers the (+)-larixol based chemical transformations, the results of phytochemical analysis of new (+)-larixol containing species, as well as recent data on biological activity of (+)-larixol and practical applications where it is mentioned.