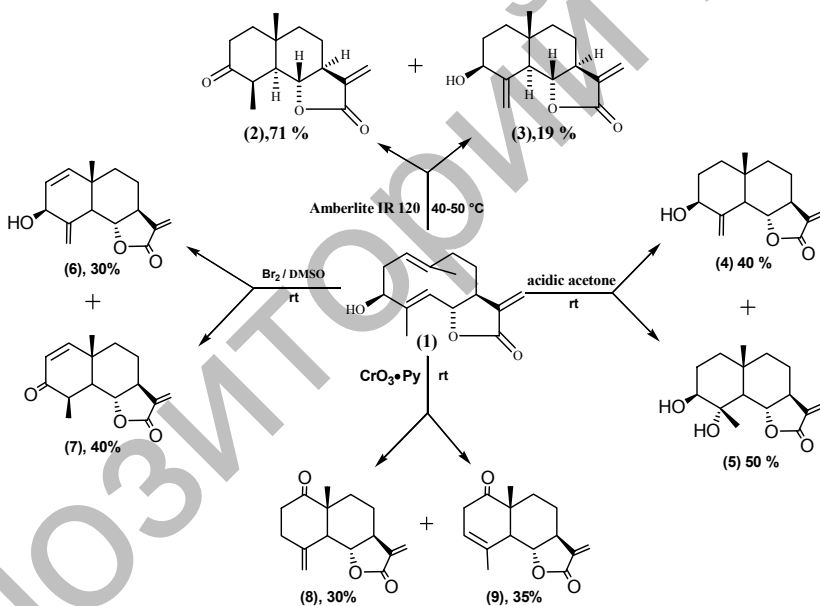


# STEREOCONTROLLED SYNTHESIS OF EUDESMANOLIDES ON THE BASIS OF HANPHILLINE

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Reactions of stereospecific electrophilic carbocyclization of (+)-hanphilline (1) were investigated and different trans-eudesman sesquiterpene  $\gamma$ -lactones were synthesized. E,E – Germacranolide (+)-hanphilline was isolated by us from *Achillea nobilis* L.



The structures of synthesized eudesmanolides (2-9) have been investigated using IR-,  $^1H$  NMR, mass-spectroscopy and X-Ray analysis.