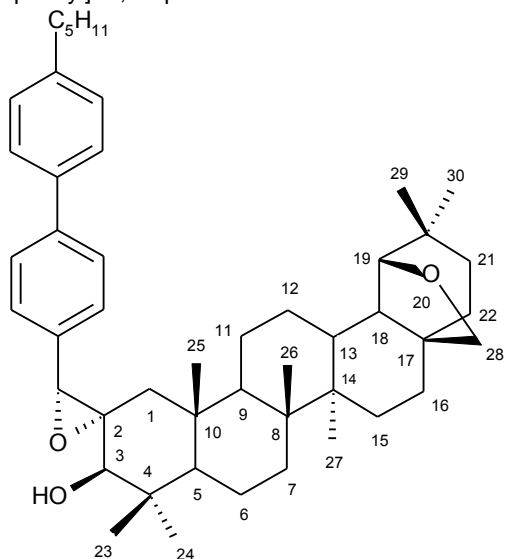


The invention relates to the field of organic synthesis and materials of liquid crystals (LC), in particular, to the development of new chiral impurities (CD) for liquid crystal, chiral nematic mixtures, namely (2R, 3R) -3- [4'-amyl-1, 1' -biphenyl] -2,2'-spirooksiranoalobetulinu formula:



Also described RK-chiral mixture composed of matrices HD and optically active (2R, 3R) -3- [4'-amyl-1,1'-biphenyl] -2,2'-spirooksiranoalobetulinu. The proposed CD is a high twisting power, allowing the mixture to obtain RK selective reflection of light in the visible range of the spectrum (from purple to yellow) at concentrations 5,3-7,6 wt. %. The maximum wavelength of the selective reflected light hardly varies with temperature. LC mixtures containing the CD, a phase characterized by stability.