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Stereocontrolled Synthesis of Fluorosqualenes and Fluoroepoxysqualenes as Inhibitors of Squalene Epoxidase and 2,3-Oxidosqualene Cyclase. — Z-Fluorosqualene derivatives having one (IVa) or more (IVb) fluorine atoms at the terminal methyls of the squalene skeleton are synthesized. A highly stereoselective synthesis, based on a Wittig reaction, is developed together with a new method for obtaining bifunctional derivatives (IX) of squalene. The fluorosqualenes and the hexafluorosqualene epoxide show poor inhibitory activity. — (CERUTI, M.; AMISANO, S.; MILLA, P.; VIOLA, F.; ROCCO, F.; JUNG, M.; CATTEL, L.; J. Chem. Soc., Perkin Trans. I (1995) 7, 889-893; Ist. Chim. Farm. Appl., Fac. Farm., I-10125 Torino, Italy; EN)