

Invention relates to medicine, biotechnology, and pharmacology and involves the use of low-toxicity chemical compound – sodium salt of 5,11,17,23-bis (dihydroxyphosphoryl)methylcalix[4]arene – as effective and safe medicine with a comprehensive anti-atherosclerotic effect for the prevention of atherosclerosis. Medicine is recommended for use at a dose of 12 mg/kg of body weight.