

The invention relates to the method of the synthesis of crystals of organic current-conducting materials, which can be used in an electron and electrotechnical industry for manufacture of information storage devices. The method of synthesis of cation - radical salts includes an electrolysis in aprotic solvents, that contain fulvalens derivatives and counterion, at that the working electrode preliminary is polarized before the electrolysis with the rate of the potential changing between 5 and 50 mV/s, the current value is registered, the potential is fixed, which corresponds to formations of a cation - radical with oxidation rate between 0 and +1 and thereafter the synthesis is carried out at this potential. The application of the invention allows to speed up the cation-radical salts synthesis process.