
The study of the anodic oxidation of benzylic acid

Gabriela STANCIU^a

^aDepartment of Chemistry, University "Ovidius" of Constanta, 124, Mamaia Blvd., 900527, ROMANIA

Abstract. In this paper it is presented the study of anodic oxidation of an α -hydroxyacid-the benzylic-acid-in methanol in different ways, in cell without compartments in undivided cell on rotating graphite anode at a constant current density and in cell with plane-parallel electrodes in two separate compartments, equipped with reflux condenser and magnetic stirrer in the anodic compartment. The electrolysis product was processed and then analysed by CG-MS method. A reaction mechanism was proposed in order to explain the forming of the identified products

Keywords: benzylic acid, anodic oxidation, α -hydroxyacid
