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Reaction of electrochemically generated radical anions with phosphorylated ureas

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Abstract

1. In the presence of phosphorylated ureas, oxygen, nitrobenzene, benzophenone, and anthracene are reduced in DMF on a mercury cathode according to the ECE mechanism, and the rate constants k_2 and activation energies of the included chemical reaction were calculated. 2. Based on the kinetic data, the scheme of the process with included protonation of the radical anion in which any of the hydrogen atoms in the NH fragments of the PU molecules can participate was proposed. © 1988 Plenum Publishing Corporation.

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