

Bulletin of the Academy of Sciences of the USSR Division of Chemical Science 1977 vol.26 N4,
pages 731-735

Electrochemical reduction of α,β -unsaturated diphosponium salts on a mercury electrode

Berdnikov E., Tantasheva F., Morozov V., Il'yasov A., Vafina A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

1. Study has been made of the electrochemical reduction of the salts of trans-1,-diphosponioethene on the dropping Hg electrode in protogenic and aprotic media. 2. It has been shown that stable radical anions result from the first, reversible one-electron stage of the reduction of disalts in aprotic media. A scheme is proposed to describe the reduction mechanism. © 1977 Plenum Publishing Corporation.

<http://dx.doi.org/10.1007/BF01108190>
