

Reduction of Co(II) complexes with selected amino acids on a dropping mercury electrode.

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Streszczenie

The reduction of Co(II) complexes with amino acids Gly, Ala, Asn, Asp and Glu was studied polarographically. The species reduced on a mercury electrode and their electrochemical parameters were determined. It was shown that the first complex, in all studied systems, is reduced much easier, at less negative values of potentials than the aquaion. The stability constants of the complexes were also calculated. The effect of amino and carboxylate groups on the reduction mechanism of Co(II) complexes on a mercury electrode is discussed.

Słowa kluczowe

Co(II) complexes, Amino acids, polarography, reduction mechanism

Adres publiczny

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